

REQUEST FOR PROPOSALS

ISSUE DATE: March 9, 2015 **RFP CRD #15-01**

TITLE: Shell dredging and shell planting for Virginia's portion of the Chesapeake Bay and its tributaries.

COMMODITY CODE: 96834/95900

ISSUING AGENCY: Commonwealth of Virginia
Marine Resources Commission
2600 Washington Avenue
Newport News, Virginia 23607-0756

WORK LOCATION: James River, City of Newport News, Rappahannock River, Lancaster and Middlesex Counties, Tangier and Pocomoke Sounds of the Eastern Shore, Accomack and Northampton Counties.

PERIOD OF CONTRACT: From date of award to August 1, 2015.

SEALED PROPOSALS WILL BE RECEIVED UNTIL March 30, 2015, AT 2:00 P.M. FOR FURNISHING THE SERVICES DESCRIBED HEREIN. LATE PROPOSALS WILL NOT BE CONSIDERED.

ALL INQUIRIES FOR INFORMATION SHOULD BE DIRECTED TO:

James A. Wesson, Dept. Head, Conservation & Replenishment
Telephone (757) 247-2121

IF PROPOSALS ARE MAILED OR IF PROPOSALS ARE HAND DELIVERED, THEN DELIVER TO:

Brandy L. Battle
Marine Resources Commission
2600 Washington Ave., 3rd Floor
Newport News, Virginia 23607
(757) 247-2260

IN COMPLIANCE WITH THIS REQUEST FOR PROPOSALS (RFP) AND ALL THE CONDITIONS IMPOSED IN THIS RFP, THE UNDERSIGNED FIRM HEREBY OFFERS AND AGREES TO FURNISH, IF SELECTED, THE SERVICES DESCRIBED AT THE PRICE INDICATED IN SECTION XI, PRICING SCHEDULE IN ACCORDANCE WITH THE ATTACHED SIGNED PROPOSED OR AS MUTUALLY AGREED UPON BY SUBSEQUENT NEGOTIATION. THE UNDERSIGNED FIRM HEREBY CERTIFIES THAT ALL INFORMATION PROVIDED BELOW AND IN ANY SCHEDULE ATTACHED HERETO IS TRUE, CORRECT, AND COMPLETE.

State Corporation Commission ID Number: _____ (See Special Terms and Conditions)

NAME AND ADDRESS OF FIRM:

_____ **DATE:** _____

_____ **BY:** _____
(Signature in ink)

_____ **NAME:** _____
(Please print)

_____ **Zip code** _____ **TITLE:** _____

EVA Vendor ID or DUNS number _____ **PHONE:**(____) _____

EMAIL: _____ **FAX:**(____) _____

RETURN ENTIRE CONTRACT PROPOSAL TO VMRC. SIGN CERTIFICATION ABOVE.

COMPLETE SECTIONS:

XI – PRICING SCHEDULE
ATTACHMENT A
ATTACHMENT B (if applicable)
ANNEX 7-G
ANNEX 7-I

Note: This public body does not discriminate against faith-based organizations in accordance with the Code of Virginia, § 2.2-4343.1 or against a bidder or offeror because of race, religion, color, sex, national origin, age, disability, or any other basis prohibited by state law relating to discrimination in employment.

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- I. **PURPOSE:** The intent and purpose of this Request for Proposals (RFP) is to solicit sealed proposals from qualified sources to dredge, grade, and wash approximately 25,000 to 40,000 cubic yards of fossil oyster shells from the James River, and then transport and deploy the same oyster shells on sites in the James River, Rappahannock River, and Tangier and Pocomoke Sounds in the Chesapeake Bay of Virginia.
- II. **BACKGROUND:** The VMRC Conservation and Replenishment Department (CRD) has the responsibility for managing and restoring the oyster resource in the State. Millions of bushels of oyster shells have been placed overboard by the CRD to serve as cultch for oyster larvae to attach (strike). In recent years, oyster reef restoration has primarily used oyster shell from local shucking houses. However, there are not sufficient quantities of oyster shell to complete all of the current projects, nor the anticipated increase in oyster restoration projects over the next few years.

The current project shall require fossil shells to be dredged from subaqueous deposits near Hogg Island in the James River. These shells shall be washed and sorted into two size categories. These dredged shells will then be transported and washed overboard (referred to as “planting shells”) with a high-pressure stream of water in areas in the James River, Rappahannock River, and Tangier and Pocomoke Sounds in the Chesapeake Bay of Virginia. All dredging, washing, transportation, and planting will be conducted according to the terms of this contract and according to existing shell dredging permits. The Marine Resources Commission is responsible for obtaining the necessary permits.

The shell dredging sites are on the north side of the James River, between Tribell Shoal and Skiffes Creek (Map (shelldredge.jpg) on VMRC website http://www.mrc.virginia.gov/mrc_procurement_info.shtm).

The shellplanting sites are specified and buoyed by the VMRC Conservation and Replenishment Department. The shells shall be planted on areas that are generally 5 to 25 acres in size. Plantings are made by washing shell overboard with high pressure water as the shell barge moves around the area to give a uniform coverage.

It is the policy of the Commonwealth of Virginia to contribute to the establishment, preservation, and strengthening of small businesses and businesses owned by women and minorities and to encourage their participation in State procurement activities. The Commonwealth encourages contractors to provide for the participation of small businesses and businesses owned by women and minorities through partnerships, joint ventures, subcontracts, or other contractual opportunities. Submission of a report of past efforts to utilize the goods and services of such businesses and plans for involvement on this contract are required. By submitting a proposal, offerors certify that all information provided in response to this RFP is true and accurate. Failure to provide information required by this RFP will ultimately result in rejection of the proposal.

III. SCOPE OF WORK:

- a) The contractor shall dredge, wash, and sort 25,000 to 40,000 cubic yards of fossil shell in accordance with permits issued by the U. S. Army Corps of Engineers and the Virginia Department of Environmental Quality.
- b) Shell dredging requires permits are issued by the Virginia Department of Environmental Quality and the U. S. Army Corps of Engineers. Obtaining the necessary permits is the responsibility of the VMRC – CRD. The Contractor shall dredge, wash, transport, and plant shells in accordance with the terms of the permits.

Typical conditions in the permits address topics such as: dredging equipment, dredge cut dimensions, discharge of waste sediment and shell grit, appropriate uses of shell, dredging areas and dredging times. The permits along with the contract contain the complete conditions and should be consulted.

The time period for shell dredging as specified in the permits is June 16 to December 31. The dredging sites are located in the James River and are labeled on the attached permit map (Map (shelldredge.jpg) on VMRC website - http://www.mrc.virginia.gov/mrc_procurement_info.shtm).

VMRC is responsible for acquiring shell dredging permits and conducting environmental studies required by the permits.

The current dredging permit from the Virginia Department of Environmental Quality is attached as Attachment C. The most recent dredging permit, from the Army Corps of Engineers is attached as Attachment D. The agency's Replenishment Department Head believes that this permit will be extended/renewed by June 1, 2015. However, should this permit not be renewed, the VMRC will not be able to enter into a contract for the work described in RFP CRD 15-01.

- c) Dredge cuts are to a maximum of 30 feet mlw with spoil returned to the dredge cut after washing by means of bow and stern elephant trunk discharge pipes. The elephant trunk discharge pipes shall extend under the dredge barge.
- d) Shells shall be washed and sorted into two sizes. "Fines" are those shell pieces from 3/16" to 1" in size, and shells are those shell pieces 1 inch in size and greater (≥ 1 ").
- e) The contractor may request approval to purchase all or a portion of the shell pieces or "fines", and this value of such shell pieces shall be included as a credit against the contractor price.
- f) Shellplanting: James River, Rappahannock River, and Tangier and Pocomoke Sounds. (Maps on VMRC website)http://www.mrc.virginia.gov/mrc_procurement_info.shtm.

Shells and fines shall be transported by barge and tug to the planting locations and washed

overboard from a moving barge at MRC designated sites at an approximate rate of 60 to 600 yards per acre. Water depths at planting sites area greater than 5' mlw. Planting locations are generally 5 to 25 acres and will be marked by VMRC-CRD personnel. The dredging and planting of shells shall be conducted under supervision of VMRC – CRD personnel during the period of June 16 – August 1, 2015. All equipment must be mobilized by, and work must commence on, June 16, 2015.

Planting Areas:

Water Body	Area	Lat	Long	Acreage	Bushel/Ac	Total Bu	Total Cu yds
Tangier							
	Hurleys	37 55.280	75 58.412	7	1,000	7,000	452
	Thoroughfare 7H-1	37 52.402	75 55.802	14	1,000	14,000	903
	7H-3	37 51.912	75 55.530	26	1,000	26,000	1,677
Subtotals				47		47,000	3,032
Pocomoke							
	Marshalls	37 51.853	75 49.926	40	1,000	40,000	2,581
	Byrd	37 51.124	75 47.813	66	1,000	66,000	4,258
	13H-1	37 54.491	75 48.076	31	1,000	31,000	2,000
	13H-2	37 54.026	75 47.362	39	1,000	39,000	2,516
	13H-3	37 54.186	75 47.241	24	1,000	24,000	1,548
	13H-5	37 53.644	75 47.680	19	1,000	19,000	1,226
Subtotals				219		219,000	14,129
Rappahannock							
	Parrotts#11	37 36.354	76 24.904	10.5	1,000	10,500	677
	Parrotts#12	37 36.380	76 25.321	8.6	1,000	8,600	555
	Larsons#25	37 37.668	76 23.391	2	1,000	2,000	129
	Larsons#48	37 37.706	76 23.537	4	1,000	4,000	258
	Sturgon#9	37 34.953	76 22.213	8	1,000	8,000	516
	Northend#10	37 35.267	76 23.963	10.5	1,000	10,500	677
	UpperSturgon#45	37 34.874	76 21.048	5	1,000	5,000	323
	Mill Creek#51	37 35.166	76 24.063	3	1,000	3,000	194
	CorrotomanC1#20	37 39.540	76 28.654	8.6	1,000	8,600	555
	CorrotomanC2#21	37 39.703	76 29.095	8.5	1,000	8,500	548
	CorrotomanC3#22	37 40.044	76 28.729	2.7	1,000	2,700	174
	FerryRock#24	37 37.947	76 25.045	4.2	1,000	4,200	271
	Corrotoman#42	37 40.212	76 28.505	9	1,000	9,000	581
	DrummingGround#41	37 39.247	76 27.779	3	1,000	3,000	194
	Spike#3	37 34.630	76 17.621	7.1	1,000	7,100	458
	ButlersHole#27	37 36.494	76 18.196	6	1,000	6,000	387
	MosquitoIsland#26	37 36.580	76 20.604	2.1	1,000	2,100	135
	Whitehouse#31	37 38.139	76 30.392	14.5	1,000	14,500	935
Subtotals				117.3		117,300	7,567

James							
	BallardsMarsh	36 59.523	76 31.026	78	1,000	78,000	5,032
	UpperDogShoal	36 59.194	76 29.316	14	1,000	14,000	903
	LowerDogShoal	36 58.672	76 29.203	24	1,000	24,000	1,548
	BrownShoal	37 00.754	76 28.289	160	1,000	160,000	10,323
	Cruisers	36 57.417	76 27.469	55	1,000	55,000	3,548
Subtotals				331		331,000	21,354
Totals				714.3		714,300	46,082

g) Shell Quantity

The contractor shall dredge, wash, transport, and plant oyster shell as directed by VMRC. The quantity for this contract shall be 25,000 - 40,000 cubic yards and the contractor's capabilities should provide for a daily completion rate of 3,000 to 6,000 cubic yards. The conversion factor for cubic yards to Virginia bushels is 15.5 (C.Y. X 15.5 = VA Bushels).

h) Shell Quality

Shell material is categorized as "shells" (equal to or greater than 1 inch in size) and "fines" (3/16" to 1 inch).

Shells and fines for oyster restoration projects shall be washed clean of mud and sediment by the contractor at the dredging site and be suitable for attracting spat, according to VMRC - CRD. The contractor shall sort shells from fines at the dredging site and provide either material as specified by VMRC.

i) Shell Volume Measurements

Each barge load of shells or fines shall be measured by a team consisting of at least one representative of VMRC and one representation of the contractor. The measurement technique shall be according to the Standard method below or in a few cases, the Alternative Method:

STANDARD VOLUME DETERMINATION OF DREDGED SHELL/FINES ON BARGE

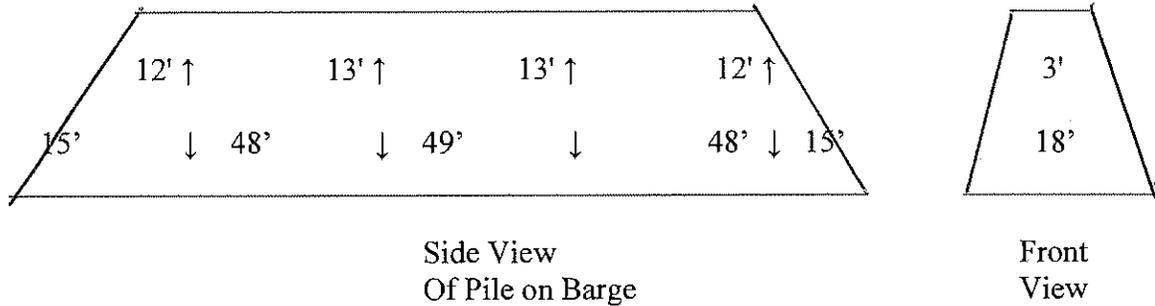
The shell or fine pile is to be of nearly uniform height along length of a barge, with sides of the piles as straight and consistent a slope along length as is practicable.

Measurements (feet and decimal fractions of feet) are to be made for height and width at a minimum of four (4) intervals along the length of the shell pile. The first and last measurements are made at the point where the pile begins sloping from its uniform height downward to the ends of the barge. Measurements between these two points should be made at nearly equal distances, avoiding extreme low points or high points of the pile.

At each interval, measurements are to be made as follows:

- * length of interval;
- * height of pile; and
- * width of pile at the base and at the peak

An example of measurements to be made is shown below:



For each interval (length), an average height and width are determined to arrive at an average volume (cubic feet) for that interval. Each sectional volume is then added to get an overall volume. The volume is converted to cubic yards and shall be the volume used when billing VMRC.

ALTERNATE VOLUME DETERMINATION OF DREDGED SHELL/FINES ON BARGE

The volume of shells or fines may be determined by measuring the draft of a loaded barge, but only after discussion and agreement between the Contractor and VMRC to decide upon the actual method. Suitable conversion factors will be needed for the weight to volume ratio for both shells and fines under dry and wet conditions, and measuring draft will need to be done under calm conditions when wave action has negligible effect on reading the draft of a barge.

j) Equipment and Experience of Contractor:

The Contractor shall provide all equipment and personnel necessary to carry out the terms of this contract, including but not limited to dredges, washing, and sorting equipment, tugboats, barges, crane and bucket, pumps, crew, crew boats and measuring equipment. The equipment and their use must comply with the specifications of the shell dredging permit (Attachment C). The dredge must be a hydraulic dredge equipped with an elephant trunk discharge pipe which directs waste water and sediment into the cut being made. The offeror is required to provide a dredge equipped with a shell washing/sorting apparatus that can sort clean shells from clean fines and load each, simultaneously, onto barges at the dredge.

k) Dredging Site Management by the Contractor

The Contractor is responsible for damage it causes to commercial fishing gear near the dredging operation, for marking dredging sites if buoys are needed, for using discrete traffic lanes for tug and barge traffic in the immediate vicinity of the dredge and for coordinating with local watermen the removal of crab pots, eel pots, or other gear from these traffic lanes.

l) Environmental Conditions and Restrictions

The contractor shall conduct all dredging, washing, transporting and planting of shells in a manner which will attempt to minimize any environmental harm. All conditions and specifications in the dredging permit shall be followed, such as the use of a trunk discharge pipe to direct all dredging waste to the cut being made. Environmental studies, if required, will be conducted by VMRC.

m) Right of Inspection

The Contractor agrees that VMRC may station MRC-CRD personnel at its dredge or dredges all operative hours to check the quality and quantity of shells and fines, and any environmental impacts regarding fish or water quality.

n) Maintenance and Records

The Contractor agrees to keep accurate books and records showing the quantity of shells and fines dredged, the location dredged, the locations planted and the volume of each planting. All books and records shall be open to inspection and audit by VMRC, or its duly authorized representatives, at all reasonable intervals during business hours.

o) Maps of the James River, Rappahannock River, and Tangier and Pocomoke Sounds

(Maps on VMRC website http://www.mrc.virginia.gov/mrc_procurement_info.shtm) show the generalized shell planting areas. MRC Staff shall mark planting sites with buoys and the Contractor will plant shells only within the specified boundaries. If the planting barge moves outside of the marked area, the Contractor shall stop planting until the barge is back within the area. Planting specifications will vary and MRC will direct each planting.

IV. PROPOSAL PREPARATION AND SUBMISSION REQUIREMENTS:

A. General Requirements

1. RFP Response: In order to be considered for selection, offerors must submit a complete response to this RFP. One (1) original and three (3) copies of each proposal must be submitted to the VMRC. No other distribution of the proposal shall be made by the offeror.
2. Proposal Preparation:
 - a. Proposals shall be signed by an authorized representative of the offeror.

All information requested must be submitted. Failure to submit all information requested may result in the purchasing agency requiring prompt submission of missing information and/or giving a lowered evaluation of the proposal. Proposals which are substantially incomplete or lack key information may be rejected by the purchasing agency. Mandatory requirements are those required by law or regulation or are such that they cannot be waived and are not subject to negotiation.

- b. Proposals should be prepared simply and economically, providing a straightforward, concise description of capabilities to satisfy the requirements of RFP. Emphasis should be on completeness and clarity of content.
- c. Proposals should be organized in the order in which the requirements are presented in the RFP. All pages of the proposal should be numbered. Each paragraph in the proposal should reference the paragraph number of the corresponding section of the RFP. It is also helpful to cite the paragraph number, subletter, and repeat the text of the requirement as it appears in the RFP. If a response covers more than one page, the paragraph number and subletter should be repeated at the top of the next page. The proposal should contain a table of contents which cross-references the RFP requirements. Information which the offeror desires to present that does not fall within any of the requirements of the RFP should be inserted at an appropriate place or be attached at the end of the proposal and designated as additional material. Proposals that are not organized in this manner risk elimination from consideration if the evaluators are unable to find where the RFP requirements are specifically addressed.
- d. As used in this RFP, the terms "must", "shall", "should" and "may" identify the criticality of requirements. "Must" and "shall" identify requirements whose absence will have a major negative impact on the suitability of the proposed solution. Items labeled as "should" or "may" are highly desirable, although their absence will not have a large impact and would be useful, but are not necessary. Depending on the overall response to the RFP, some individual "must" and "shall" items may not be fully satisfied, but it is the intent to satisfy most, if not all, "must" and "shall" requirements. The inability of an Offeror to satisfy a "must" or "shall" requirement does not automatically remove that Offeror from consideration; however, it may seriously affect the overall rating of the Offerors' proposal.
- e. Each copy of the proposal should be bound in a single volume where practical. All documentation submitted with the proposal should be bound in that single volume.

- f. Ownership of all data, materials, and documentation originated and prepared for the State pursuant to the RFP shall belong exclusively to the State and be subject to public inspection in accordance with the *Virginia Freedom of Information Act*. Trade secrets or proprietary information submitted by an offeror shall not be subject to public disclosure under the *Virginia Freedom of Information Act*; however, the offeror must invoke the protections of § 2.2-4342F of the *Code of Virginia*, in writing, either before or at the time the data or other material is submitted. The written notice must specifically identify the data or materials to be protected and state the reasons why protection is necessary. The proprietary or trade secret material submitted must be identified by some distinct method such as highlighting or underlining and must indicate only the specific words, figures, or paragraphs that constitute trade secret or propriety information. The classification of an entire proposal document, line item prices and/or total proposal prices as propriety or trade secrets is not acceptable and will result in rejection of the proposal. If, after being given reasonable time the offeror refuses to withdraw an entire classification designation, the proposal will be rejected.
3. Oral Presentation: Offerors who submit a proposal in response to this RFP may be required to give an oral presentation of their proposal to the VMRC. This provides an opportunity for the offeror to clarify or to elaborate on the proposal. This is a fact-finding and explanation session only and does not include negotiation. The VMRC will schedule the time and location of these presentations. Oral presentations are an option of the purchasing agency and may or may not be conducted.

B. Specific Requirements

1. Proposals should be as thorough and detailed as possible so that the Virginia Marine Resources Commission may properly evaluate your capabilities to provide the required services. Offerors are required to submit the following items as a complete proposal:
 - a. The return of this complete RFP and all addenda acknowledgements, signed, and filled out as required.
 - b. Complete Contractor Data Sheet (Attachment A), and if applicable, Subcontractor Data Sheet (Attachment B).
 - c. A written narrative statement to include:
 - (1) What, when, and how the service will be performed,
 - (2) Description of the equipment that will be used to dredge, sort, and clean fossil shell and methods to minimize environmental

impacts of the dredging operation,

- (3) Description of barges and tugboats that will be used to plant the shells in the James River, Rappahannock River, and Tangier and Pocomoke Sounds in the Chesapeake Bay of Virginia,
- (4) Description of stationary barge that will be used to construct the reefs,
- (5) Description of the anticipated number of trips necessary to complete the project,
- (6) Complete description of any subcontractor arrangements to be used, and completion of Subcontractor Data Sheet, Attachment B.
- (7) Estimated time schedule for completion of the project,
- (8) Cost as described in Section XI, Pricing Schedule, and
- (9) Experience of company and personnel in marine contracting projects similar to oyster restoration.
- (10) Small Business Subcontracting Plan – Summarize the planned utilization of DSBSD-certified small businesses under the contract to be awarded as a result of this solicitation. Complete Annex 7-G. Describe all subcontracting arrangements.
- (11) State Corporation Commission Form: Required of all offerors pursuant to Title 13.1 or Title 50. Complete Annex 7-I, SCC Form.

V. **EVALUATION AND AWARD CRITERIA:** Proposals shall be evaluated by the Marine Resources Commission using the following criteria:

<u>A. Evaluation Criteria</u>	<u>Percentage Value</u>
Contractor's Project Completion Capabilities	35%
Approach to completing the project	
Equipment – Size, Condition, Type	
Likelihood of Completing Project within Time Specified	
 Contractor's Experience	 20%
Experience with similar marine construction projects	
Experience of Staff	

Cost	25%
Small Business Subcontracting Plan	<u>20%</u>
	100%

B. **Award Criteria:** Selection shall be made of two or more offerors deemed to be fully qualified and best suited among those submitting proposals on the basis of the evaluation factors included in the Request for Proposals, including price, if so stated in the Request for Proposals. Negotiations shall be conducted with the offerors so selected. Price shall be considered, but need not be the sole determining factor. After negotiations have been conducted with each offeror so selected, the agency shall select the offeror which, in its opinion, has made the best proposal, and shall award the contract to the offeror. The Commonwealth may cancel this Request for Proposals or reject proposals at any time prior to an award, and is not required to furnish a statement of the reason why a particular proposal was not deemed to be the most advantageous (*Code of Virginia*, § 2.2-4359D). Should the Commonwealth determine in writing and in its sole discretion that only one offeror is fully qualified, or that one offeror is clearly more highly qualified than the others under consideration, a contract may be negotiated and awarded to that offeror. The award document will be a contract incorporating by reference all the requirements, terms and conditions of the solicitation and the contractor's proposal as negotiated.

VI. **REPORTING AND DELIVERY INSTRUCTIONS:** Omitted

VII. **MANDATORY PREPROPOSAL CONFERENCE:** Omitted

VIII. **GENERAL TERMS AND CONDITIONS:**

A. **VENDORS MANUAL:** This solicitation is subject to the provisions of the Commonwealth of Virginia *Vendors Manual* and any changes or revisions thereto, which are hereby incorporated into this contract in their entirety. The procedure for filing contractual claims is in section 7.19 of the *Vendors Manual*. A copy of the manual is normally available for review at the purchasing office and is accessible on the Internet at www.eva.virginia.gov under "Vendors Manual" on the vendors tab.

B. **APPLICABLE LAWS AND COURTS:** This solicitation and any resulting contract shall be governed in all respects by the laws of the Commonwealth of Virginia and any litigation with respect thereto shall be brought in the courts of the Commonwealth. The agency and the contractor are encouraged to resolve any issues in controversy arising from the award of the contract or any contractual dispute using Alternative Dispute Resolution (ADR) procedures (*Code of Virginia*, § 2.2-4366). ADR procedures are described in Chapter 9 of the *Vendors Manual*. The contractor shall comply with all applicable federal, state and local laws, rules and regulations.

C. **ANTI-DISCRIMINATION:** By submitting their proposals, offerors certify to the Commonwealth that they will conform to the provisions of the Federal Civil Rights Act

of 1964, as amended, as well as the Virginia Fair Employment Contracting Act of 1975, as amended, where applicable, the Virginians With Disabilities Act, the Americans With Disabilities Act and § 2.2-4311 of the *Virginia Public Procurement Act (VPPA)*. If the award is made to a faith-based organization, the organization shall not discriminate against any recipient of goods, services, or disbursements made pursuant to the contract on the basis of the recipient's religion, religious belief, refusal to participate in a religious practice, or on the basis of race, age, color, gender or national origin and shall be subject to the same rules as other organizations that contract with public bodies to account for the use of the funds provided; however, if the faith-based organization segregates public funds into separate accounts, only the accounts and programs funded with public funds shall be subject to audit by the public body. (*Code of Virginia*, § 2.2-4343.1E).

In every contract over \$10,000 the provisions in 1. and 2. below apply:

1. During the performance of this contract, the contractor agrees as follows:
 - a. The contractor will not discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin, age, disability, or any other basis prohibited by state law relating to discrimination in employment, except where there is a bona fide occupational qualification reasonably necessary to the normal operation of the contractor. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
 - b. The contractor, in all solicitations or advertisements for employees placed by or on behalf of the contractor, will state that such contractor is an equal opportunity employer.
 - c. Notices, advertisements and solicitations placed in accordance with federal law, rule or regulation shall be deemed sufficient for the purpose of meeting these requirements.
2. The contractor will include the provisions of 1. above in every subcontract or purchase order over \$10,000, so that the provisions will be binding upon each subcontractor or vendor.

D. **ETHICS IN PUBLIC CONTRACTING:** By submitting their proposals, offerors certify that their proposals are made without collusion or fraud and that they have not offered or received any kickbacks or inducements from any other offeror, supplier, manufacturer or subcontractor in connection with their proposal, and that they have not conferred on any public employee having official responsibility for this procurement transaction any payment, loan, subscription, advance, deposit of money, services or anything of more than nominal value, present or promised, unless consideration of substantially equal or greater value was exchanged.

- E. **IMMIGRATION REFORM AND CONTROL ACT OF 1986**: By entering into a written contract with the Commonwealth of Virginia, the Contractor certifies that the Contractor does not, and shall not during the performance of the contract for goods and services in the Commonwealth, knowingly employ an unauthorized alien as defined in the federal Immigration Reform and Control Act of 1986.
- F. **DEBARMENT STATUS**: By participating in this procurement, the vendor certifies that they are not currently debarred by the Commonwealth of Virginia from submitting a response for the type of goods and/or services covered by this solicitation. Vendor further certifies that they are not debarred from filling any order or accepting any resulting order, or that they are an agent of any person or entity this is currently debarred by the Commonwealth of Virginia.
- G. **ANTITRUST**: By entering into a contract, the contractor conveys, sells, assigns, and transfers to the Commonwealth of Virginia all rights, title and interest in and to all causes of action it may now have or hereafter acquire under the antitrust laws of the United States and the Commonwealth of Virginia, relating to the particular goods or services purchased or acquired by the Commonwealth of Virginia under said contract.
- H. **MANDATORY USE OF STATE FORM AND TERMS AND CONDITIONS FOR RFPs**: Failure to submit a proposal on the official state form provided for that purpose may be a cause for rejection of the proposal. Modification of or additions to the General Terms and Conditions of the solicitation may be cause for rejection of the proposal; however, the Commonwealth reserves the right to decide, on a case by case basis, in its sole discretion, whether to reject such a proposal.
- I. **CLARIFICATION OF TERMS**: If any prospective offeror has questions about the specifications or other solicitation documents, the prospective offeror should contact the buyer whose name appears on the face of the solicitation no later than five working days before the due date. Any revisions to the solicitation will be made only by addendum issued by the buyer.
- J. **PAYMENT**:
1. **To Prime Contractor**:
 - a. Invoices for items ordered, delivered and accepted shall be submitted by the contractor directly to the payment address shown on the purchase order/contract. All invoices shall show the state contract number and/or purchase order number; social security number (for individual contractors) or the federal employer identification number (for proprietorships, partnerships, and corporations).
 - b. Any payment terms requiring payment in less than 30 days will be regarded as requiring payment 30 days after invoice or delivery, whichever occurs

last. This shall not affect offers of discounts for payment in less than 30 days, however.

- c. All goods or services provided under this contract or purchase order, that are to be paid for with public funds, shall be billed by the contractor at the contract price, regardless of which public agency is being billed.
- d. The following shall be deemed to be the date of payment: the date of postmark in all cases where payment is made by mail, or the date of offset when offset proceedings have been instituted as authorized under the Virginia Debt Collection Act.
- e. **Unreasonable Charges.** Under certain emergency procurements and for most time and material purchases, final job costs cannot be accurately determined at the time orders are placed. In such cases, contractors should be put on notice that final payment in full is contingent on a determination of reasonableness with respect to all invoiced charges. Charges which appear to be unreasonable will be researched and challenged, and that portion of the invoice held in abeyance until a settlement can be reached. Upon determining that invoiced charges are not reasonable, the Commonwealth shall promptly notify the contractor, in writing, as to those charges which it considers unreasonable and the basis for the determination. A contractor may not institute legal action unless a settlement cannot be reached within thirty (30) days of notification. The provisions of this section do not relieve an agency of its prompt payment obligations with respect to those charges which are not in dispute (*Code of Virginia*, § 2.2-4363).

2. To Subcontractors:

- a. A contractor awarded a contract under this solicitation is hereby obligated:
 - (1) To pay the subcontractor(s) within seven (7) days of the contractor's receipt of payment from the Commonwealth for the proportionate share of the payment received for work performed by the subcontractor(s) under the contract; or
 - (2) To notify the agency and the subcontractor(s), in writing, of the contractor's intention to withhold payment and the reason.
- b. The contractor is obligated to pay the subcontractor(s) interest at the rate of one percent per month (unless otherwise provided under the terms of the contract) on all amounts owed by the contractor that remain unpaid seven (7) days following receipt of payment from the Commonwealth, except for amounts withheld as stated in (2) above. The date of mailing of any payment by U. S. Mail is deemed to be payment to the addressee. These provisions apply to each sub-tier contractor performing under the primary contract. A

contractor's obligation to pay an interest charge to a subcontractor may not be construed to be an obligation of the Commonwealth.

3. Each prime contractor who wins an award in which provision of a SWAM procurement plan is a condition to the award, shall deliver to the contracting agency or institution, on or before request for final payment, evidence and certification of compliance (subject only to insubstantial shortfalls and to shortfalls arising from subcontractor default) with the SWAM procurement plan. Final payment under the contract in question may be withheld until such certification is delivered and, if necessary, confirmed by the agency or institution, or other appropriate penalties may be assessed in lieu of withholding such payment.
 4. The Commonwealth of Virginia encourages contractors and subcontractors to accept electronic and credit card payments.
- K. **PRECEDENCE OF TERMS:** The following General Terms and Conditions *VENDORS MANUAL, APPLICABLE LAWS AND COURTS, ANTI-DISCRIMINATION, ETHICS IN PUBLIC CONTRACTING, IMMIGRATION REFORM AND CONTROL ACT OF 1986, DEBARMENT STATUS, ANTITRUST, MANDATORY USE OF STATE FORM AND TERMS AND CONDITIONS, CLARIFICATION OF TERMS, PAYMENT* shall apply in all instances. In the event there is a conflict between any of the other General Terms and Conditions and any Special Terms and Conditions in this solicitation, the Special Terms and Conditions shall apply.
- L. **QUALIFICATIONS OF OFFERORS:** The Commonwealth may make such reasonable investigations as deemed proper and necessary to determine the ability of the offeror to perform the services/furnish the goods and the offeror shall furnish to the Commonwealth all such information and data for this purpose as may be requested. The Commonwealth reserves the right to inspect offeror's physical facilities prior to award to satisfy questions regarding the offeror's capabilities. The Commonwealth further reserves the right to reject any proposal if the evidence submitted by, or investigations of, such offeror fails to satisfy the Commonwealth that such offeror is properly qualified to carry out the obligations of the contract and to provide the services and/or furnish the goods contemplated therein.
- M. **TESTING AND INSPECTION:** The Commonwealth reserves the right to conduct any test/inspection it may deem advisable to assure goods and services conform to the specifications.
- N. **ASSIGNMENT OF CONTRACT:** A contract shall not be assignable by the contractor in whole or in part without the written consent of the Commonwealth.
- O. **CHANGES TO THE CONTRACT:** Changes can be made to the contract in any of the following ways:

1. The parties may agree in writing to modify the terms, conditions, or scope of the contract. Any additional goods or services to be provided shall be of a sort that is ancillary to the contract goods or services, or within the same broad product or service categories as were included in the contract award. Any increase or decrease in the price of the contract resulting from such modification shall be agreed to by the parties as a part of their written agreement to modify the scope of the contract.

2. The Purchasing Agency may order changes within the general scope of the contract at any time by written notice to the contractor. Changes within the scope of the contract include, but are not limited to, things such as services to be performed, the method of packing or shipment, and the place of delivery or installation. The contractor shall comply with the notice upon receipt, unless the contractor intends to claim an adjustment to compensation, schedule, or other contractual impact that would be caused by complying with such notice, in which case the contractor shall, in writing, promptly notify the Purchasing Agency of the adjustment to be sought, and before proceeding to comply with the notice, shall await the Purchasing Agency's written decision affirming, modifying, or revoking the prior written notice. If the purchasing agency decides to issue a notice that requires an adjustment to compensation, the contractor shall be compensated for any additional costs incurred as the result of such order and shall give the Purchasing Agency a credit for any savings. Said compensation shall be determined by one of the following methods:
 - a. By mutual agreement between the parties in writing; or

 - b. By agreeing upon a unit price or using a unit price set forth in the contract, if the work to be done can be expressed in units, and the contractor accounts for the number of units of work performed, subject to the Purchasing Agency's right to audit the contractor's records and/or to determine the correct number of units independently; or

 - c. By ordering the contractor to proceed with the work and keep a record of all costs incurred and savings realized. A markup for overhead and profit may be allowed if provided by the contract. The same markup shall be used for determining a decrease in price as the result of savings realized. The contractor shall present the Purchasing Agency with all vouchers and records of expenses incurred and savings realized. The Purchasing Agency shall have the right to audit the records of the contractor as it deems necessary to determine costs or savings. Any claim for an adjustment in price under this provision must be asserted by written notice to the Purchasing Agency within thirty (30) days from the date of receipt of the written order from the Purchasing Agency. If the parties fail to agree on an amount of adjustment, the question of an increase or decrease in the contract price or time for performance shall be resolved

in accordance with the procedures for resolving disputes provided by the Disputes Clause of this contract or, if there is none, in accordance with the disputes provisions of the Commonwealth of Virginia *Vendors Manual*. Neither the existence of a claim nor a dispute resolution process, litigation or any other provision of this contract shall excuse the contractor from promptly complying with the changes ordered by the Purchasing Agency or with the performance of the contract generally.

- P. **DEFAULT:** In case of failure to deliver goods or services in accordance with the contract terms and conditions, the Commonwealth, after due oral or written notice, may procure them from other sources and hold the contractor responsible for any resulting additional purchase and administrative costs. This remedy shall be in addition to any other remedies which the Commonwealth may have.
- Q. **TAXES:** Sales to the Commonwealth of Virginia are normally exempt from State sales tax. State sales and use tax certificates of exemption, Form ST-12, will be issued upon request. Deliveries against this contract shall usually be free of Federal excise and transportation taxes. The Commonwealth's excise tax exemption registration number is 54-73-0076K.
- R. **TRANSPORTATION AND PACKAGING:** By submitting their proposals, all offerors certify and warrant that the price offered for FOB destination includes only the actual freight rate costs at the lowest and best rate and is based upon the actual weight of the goods to be shipped. Except as otherwise specified herein, standard commercial packaging, packing and shipping containers shall be used. All shipping containers shall be legibly marked or labeled on the outside with purchase order number, commodity description, and quantity.
- S. **INSURANCE:** By signing and submitting a proposal under this solicitation, the offeror certifies that if awarded the contract, it will have the following insurance coverage at the time the contract is awarded. For construction contracts, if any subcontractors are involved, the subcontractor will have workers' compensation insurance in accordance with §§ 2.2-4332 and 65.2-800 et seq. of the *Code of Virginia*. The offeror further certifies that the contractor and any subcontractors will maintain these insurance coverage during the entire term of the contract and that all insurance coverage will be provided by insurance companies authorized to sell insurance in Virginia by the Virginia State Corporation Commission.

MINIMUM INSURANCE COVERAGES AND LIMITS REQUIRED FOR MOST CONTRACTS:

1. Workers' Compensation - Statutory requirements and benefits. Coverage is compulsory for employers of three or more employees, to include the employer. Contractors who fail to notify the Commonwealth of increases in the number of employees that change their workers' compensation requirements under the *Code of*

Virginia during the course of the contract shall be in noncompliance with the contract.

2. Employer's Liability - \$100,000.
 3. Commercial General Liability - \$1,000,000 per occurrence and \$2,000,000 in the aggregate. Commercial General Liability is to include bodily injury and property damage, personal injury and advertising injury, products and completed operations coverage. The Commonwealth of Virginia must be named as an additional insured and so endorsed on the policy.
 4. Automobile Liability - \$1,000,000 combined single limit. (Required only if a motor vehicle not owned by the Commonwealth is to be used in the contract. Contractor must assure that the required coverage is maintained by the Contractor (or third party owner of such motor vehicle.)
 5. Watercraft policy with a combined single limit of \$2,000,000 for protection and indemnity coverage.
- T. **ANNOUNCEMENT OF AWARD:** Upon the award or the announcement of the decision to award a contract as a result of this solicitation, the purchasing agency will publicly post such notice on the DGS/DPS eVA VBO (www.eva.virginia.gov) for a minimum of 10 days.
- U. **DRUG-FREE WORKPLACE:** During the performance of this contract, the contractor agrees to (i) provide a drug-free workplace for the contractor's employees; (ii) post in conspicuous places, available to employees and applicants for employment, a statement notifying employees that the unlawful manufacture, sale, distribution, dispensation, possession, or use of a controlled substance or marijuana is prohibited in the contractor's workplace and specifying the actions that will be taken against employees for violations of such prohibition; (iii) state in all solicitations or advertisements for employees placed by or on behalf of the contractor that the contractor maintains a drug-free workplace; and (iv) include the provisions of the foregoing clauses in every subcontract or purchase order of over \$10,000, so that the provisions will be binding upon each subcontractor or vendor. For the purposes of this section, "*drug-free workplace*" means a site for the performance of work done in connection with a specific contract awarded to a contractor, the employees of whom are prohibited from engaging in the unlawful manufacture, sale, distribution, dispensation, possession or use of any controlled substance or marijuana during the performance of the contract.
- V. **NONDISCRIMINATION OF CONTRACTORS:** A bidder, offeror, or contractor shall not be discriminated against in the solicitation or award of this contract because of race, religion, color, sex, national origin, age, disability, faithbased organizational status, any other basis prohibited by state law relating to discrimination in employment or because the bidder or offeror employs ex-offenders unless the state agency, department or institution has made a written determination that employing ex-offenders

on the specific contract is not in its best interest. If the award of this contract is made to a faith-based organization and an individual, who applies for or receives goods, services, or disbursements provided pursuant to this contract objects to the religious character of the faith-based organization from which the individual receives or would receive the goods, services, or disbursements, the public body shall offer the individual, within a reasonable period of time after the date of his objection, access to equivalent goods, services, or disbursements from an alternative provider.

W. **eVA BUSINESS-TO-GOVERNMENT VENDOR REGISTRATION,**

CONTRACTS, AND ORDERS: The eVA Internet electronic procurement solution, website portal www.eVA.virginia.gov, streamlines and automates government purchasing activities in the Commonwealth. The eVA portal is the gateway for vendors to conduct business with state agencies and public bodies. All vendors desiring to provide goods and/or services to the Commonwealth shall participate in the eVA Internet eprocurement solution by completing the free eVA Vendor Registration. All offerors must register in eVA and pay the Vendor Transaction Fees specified below; failure to register will result in the proposal being rejected.

Vendor transaction fees are determined by the date the original purchase order is issued and the current fees are as follows:

- a. For orders issued July 1, 2014 and after, the Vendor Transaction Fee is:
 - (i) DSBSD-certified Small Businesses: 1%, capped at \$500 per order.
 - (ii) Businesses that are not DSBSD-certified Small Businesses: 1%, capped at \$1,500 per order.

For orders issued prior to July 1, 2014 the vendor transaction fees can be found at www.eva.virginia.gov.

The specified vendor transaction fee will be invoiced, by the Commonwealth of Virginia Department of General Services, approximately 30 days after the corresponding purchase order is issued and payable 30 days after the invoice date. Any adjustments (increases/decreases) will be handled through purchase order changes.

X. **AVAILABILITY OF FUNDS:** It is understood and agreed between the parties herein that the agency shall be bound hereunder only to the extent of the funds available or which may hereafter become available for the purpose of this agreement.

Y. **BID PRICE CURRENCY:** Unless stated otherwise in the solicitation, offerors shall state offer prices in US dollars.

Z. **AUTHORIZATION TO CONDUCT BUSINESS IN THE COMMONWEALTH:**
A contractor organized as a stock or nonstock corporation, limited liability company, business trust, or limited partnership or registered as a registered limited liability partnership shall be authorized to transact business in the Commonwealth as a domestic or foreign business entity if so required by Title 13.1 or Title 50 of the *Code*

of Virginia or as otherwise required by law. Any business entity described above that enters into a contract with a public body pursuant to the *Virginia Public Procurement Act* shall not allow its existence to lapse or its certificate of authority or registration to transact business in the Commonwealth, if so required under Title 13.1 or Title 50, to be revoked or cancelled at any time during the term of the contract. A public body may void any contract with a business entity if the business entity fails to remain in compliance with the provisions of this section.

IX. SPECIAL TERMS AND CONDITIONS:

1. **AUDIT:** The Contractor shall retain all books, records, and other documents relative to this contract for five (5) years after final payment, or until audited by the Commonwealth of Virginia, whichever is sooner. The agency, its authorized agents, and/or state auditors shall have full access to and the right to examine any of said materials during said period.
2. **PROPOSAL ACCEPTANCE PERIOD:** Any proposal in response to this solicitation shall be valid for 90 days. At the end of the 90 days the proposal may be withdrawn at the written request of the offeror. If the proposal is not withdrawn at that time it remains in effect until an award is made or the solicitation is canceled.
3. **PROPOSAL PRICES:** Proposal prices shall be as requested in Section XI, Pricing Schedule.
4. **INSPECTION:**
 - a) The Contracting Officer for the CRD shall be James Wesson or his designee.
 - b) The Contractor shall maintain an adequate inspection system and perform such inspections as will ensure that the work performed under the contract conforms to the contract requirements.
 - c) CRD inspections and tests are the sole benefit of the CRD and do not:
 1. Relieve the Contractor of responsibility for providing adequate quality control measures;
 2. Relieve the Contractor of responsibility for damage to or loss of the material before acceptance;
 3. Constitute or imply acceptance; or
 4. Affect the continuing rights of the CRD after acceptance of the completed work.
 - d) The presence or absence of a CRD inspector does not relieve the Contractor

from any contract requirement, nor is the inspector authorized to change any term or condition of the specification without the Contracting Officer's written authorization.

- e) The Contractor shall promptly furnish, without additional charges, all facilities, labor and material reasonably needed for performing such safe and convenient inspections and tests as may be required by the Contracting Officer. The CRD may charge to the Contractor any additional cost for inspection or tests when work is not ready at time specified by the Contractor for inspection or tests, or when prior rejection makes reinspection or retest necessary. The CRD shall perform all inspections and tests in a manner that will not unnecessarily delay the work.
 - f) The Contractor shall, without charge, replace or correct work found by the CRD not to conform to contract requirements, unless in the public interest the CRD consents to accept work with a appropriate adjustment in contract price.
 - g) If the Contractor does not promptly, as advised by the Contracting Officer, replace or correct rejected work, the CRD may (1) by contract or otherwise, replace or correct the work and charge the cost to the Contractor and (2) terminate for default the Contractor's right to proceed.
 - h) Unless otherwise specified in the contract, the CRD shall accept, as promptly as practical after the completion and inspection, all work required by the contract or that portion of the work the Contracting Officer determines can be accepted separately.
5. **CANCELLATION OF CONTRACT:** The purchasing agency reserves the right to cancel and terminate any resulting contract, in part or in whole, without penalty, upon 15 days written notice to the Contractor. In the event the initial contract period is for more than 12 months, the resulting contract may be terminated by either party, without penalty, after the initial 12 months of the contract period upon 60 days written notice to the other party. Any contract cancellation notice shall not relieve the Contractor of the obligation to deliver and/or perform on all outstanding orders issued prior to the effective date of cancellation.
6. **CONTRACT EXTENSION:** Contract end date may be extended by mutual agreement between the Marine Resources Commission and the Contractor. No other terms of the contract shall change.
7. **CONTRACTOR'S TITLE TO MATERIALS:** No materials or supplies for the work shall be purchased by the Contractor or by any subcontractor subject to any chattel mortgage or under a conditional sales or other agreement by which an interest is retained by the seller. The Contractor warrants that he has clear title to all materials and supplies for which he invoices for payment.

8. **IDENTIFICATION OF PROPOSAL ENVELOPE**: If a special envelope is not furnished, or if return in the special envelope is not possible, the signed proposal should be returned in a separate envelope or package, sealed and identified as follows:

From: _____	<u>March 30, 2015</u>	<u>2:00 p.m.</u>
Name of Offeror	Due Date	Time
_____	<u>RFP# CRD 15-01</u>	
Street of Box Number	RFP No.	
_____	<u>Shell dredging and shellplanting for Virginia's portion of the Chesapeake Bay and its tributaries</u>	
City, State, Zip Code	RFP Title	
Name of Contract/Purchase Officer or Buyer	<u>Brandy Battle</u>	

The envelope should be addressed as directed on Page 1 of the solicitation.

If a proposal not contained in the special envelope is mailed, the offeror takes the risk that the envelope, even if marked as described above, may be inadvertently opened and the information compromised which may cause the proposal to be disqualified.

Proposals may be hand delivered to the designated location in the office issuing the solicitation. No other correspondence or other Proposals should be placed in the envelope.

9. **INSPECTION OF JOB SITE**: My signature on this solicitation constitutes certification that I have inspected the job site and am aware of the conditions under which the work must be accomplished. Claims, as a result of failure to inspect the job site, will not be considered by the Commonwealth.
10. **SMALL BUSINESS SUBCONTRACTING AND EVIDENCE OF COMPLIANCE**: It is the goal of the Commonwealth that 42% of its purchases be made from small businesses. This includes discretionary spending in prime contracts and subcontracts. All offerors are required to submit a Small Business Subcontracting Plan. Unless the offeror is registered as a DSBSD-certified small business and where it is not practicable for any portion of the awarded contract to be subcontracted to other suppliers, the contractor is encouraged to offer such subcontracting opportunities to DSBSD-certified small businesses. This shall include DSBSD-certified women-owned and minority-owned businesses when they have received DSBSD small business certification. No offeror or subcontractor shall be considered a small business unless certified as such by the Department of Small Business and Supplier Diversity (DSBSD) by the due date for receipt of bids or proposals. If small business subcontractors are used, the prime contractor agrees to report the use of small business subcontractors by

providing the purchasing office at a minimum the following information: name of small business with the DSBSD certification number, phone number, total dollar amount subcontracted, category type (small, women-owned, or minority-owned), and type of product/service provided.

11. **PRIME CONTRACTOR RESPONSIBILITIES:** The Contractor shall be responsible for completely supervising and directing the work under this contract and all subcontractors that he may utilize, using his best skill and attention. Subcontractors who perform work under this contract shall be responsible to the prime Contractor. The Contractor agrees that he is as fully responsible for the acts and omissions of his subcontractors and of persons employed by them as he is for the acts and omissions of his own employees.
12. **SUBCONTRACTS:** No portion of the work shall be subcontracted without prior written consent of the purchasing agency. In the event that the Contractor desires to subcontract some part of the work specified herein, the Contractor shall furnish the purchasing agency the names, qualifications, and experience of their proposed subcontractors. The Contractor shall, however, remain fully liable and responsible for the work to be done by its subcontractor(s) and shall assure compliance with all requirements of the contract.
13. **WORK SITE DAMAGES:** Any damage to the reef structure which has been completed or adjacent oyster beds resulting from the performance of this contract shall be repaired to the Commonwealth's satisfaction at the Contractor's expense.
14. **COMPLETION OF ATTACHMENTS:** Attachment A – Contractor data sheet, and if applicable Attachment B – one page for each subcontractor to be utilized. Annex 7-G - Small Business Subcontracting Plan and Annex 7-I - SCC Form must be completed in full and returned with the proposal package.
15. **APPLICABLE U. S. COAST GUARD LICENSES AND REGULATIONS:** Operators of all vessels used for deployment shall present, upon request, applicable U. S. Coast Guard licenses and shall obey all applicable U. S. Coast Guard regulations at all times during operations under this contract.
16. **HAZARD TO NAVIGATION:** Contractor shall not create a hazard to navigation while performing under this contract. Any such hazard to navigation created by the Contractor while performing under this contract shall be removed or eliminated at his expense.
17. **eVA BUSINESS-TO-GOVERNMENT CONTRACTS AND ORDERS:** The solicitation/contract will result in one purchase order with the eVA transaction fee specified below assessed for each order.
 - a. For orders issued July 1, 2011 thru December 31, 2013, the Vendor Transaction Fee is:

- (i) DSBSD-certified Small Businesses: 0.75%, capped at \$500 per order.
 - (ii) Businesses that are not DSBSD-certified Small Businesses: 0.75%, capped at \$1,500 per order.
- b. For orders issued January 1, 2014, and after, the Vendor Transaction Fee is:
- (i) DSBSD-certified Small Businesses: 1%, capped at \$500 per order.
 - (ii) Businesses that are not DSBSD-certified Small Businesses: 1%, capped at \$1,500 per order.

The specified vendor transaction fee will be invoiced by the Commonwealth of Virginia Department of General Services, approximately 30 days after the corresponding purchase order is issued and payable 30 days after the invoice date. Any adjustments (increases/decreases) will be handled through purchase order changes.

The eVA Internet electronic procurement solution, website portal www.eva.virginia.gov, streamlines and automates government purchasing activities in the Commonwealth. The portal is the gateway for vendors to conduct business with state agencies and public bodies.

Vendors desiring to provide goods and/or services to the Commonwealth shall participate in the eVA Internet e-procurement solution and agree to comply with the following: If this solicitation is for a term contract, failure to provide an electronic catalog (price list) or index page catalog for items awarded will be just cause for the Commonwealth to reject your offer or terminate this contract for default. The format of this electronic catalog shall conform to the eVA Catalog Interchange Format (CIF) Specification that can be accessed and downloaded from www.eVA.virginia.gov. Contractors should email Catalog or Index Page information to eVA-catalog-manager@dgs.virginia.gov.

18. STATE CORPORATION COMMISSION IDENTIFICATION NUMBER:

Pursuant to Code of Virginia, §2.2-4311.2 subsection B, an offeror organized or authorized to transact business in the Commonwealth pursuant to Title 13.1 or Title 50 is required to include in its proposal the identification number issued to it by the State Corporation Commission (SCC). Any offeror that is not required to be authorized to transact business in the Commonwealth as a foreign business entity under Title 13.1 or Title 50 or as otherwise required by law is required to include in its proposal a statement describing why the offeror is not required to be so authorized. Indicate the above information on the SCC Form provided. Contractor agrees that the process by which compliance with Titles 13.1 and 50 is checked during the solicitation stage (including without limitation the SCC Form provided) is streamlined and not definitive, and the Commonwealth's use and acceptance of such form, or its acceptance of Contractor's statement describing why the bidder or offeror was not legally required to be authorized to transact business in the Commonwealth, shall not be conclusive of the issue and shall not be relied upon by the Contractor as demonstrating compliance.

19. **E-VERIFY PROGRAM:** EFFECTIVE 12/1/13. Pursuant to Code of Virginia, §2.2-4308.2., any employer with more than an average of 50 employees for the previous 12 months entering into a contract in excess of \$50,000 with any agency of the Commonwealth to perform work or provide services pursuant to such contract shall register and participate in the E-Verify program to verify information and work authorization of its newly hired employees performing work pursuant to such public contract. Any such employer who fails to comply with these provisions shall be debarred from contracting with any agency of the Commonwealth for a period up to one year. Such debarment shall cease upon the employer's registration and participation in the E-Verify program. If requested, the employer shall present a copy of their Maintain Company page from E-Verify to prove that they are enrolled in E-Verify.

X. **METHOD OF PAYMENT:** The contractor will be paid on the basis of invoices submitted after satisfactory completion of each of the areas listed in XI. Pricing Schedule. All copies of the invoices shall be forwarded directly to the using agency or wherever otherwise designated. Payments will be made directly to the contractor, who will be responsible for payments to all subcontractors. Payments will be made in accordance with the Virginia Prompt Payment Act, once each of the areas listed in XI. Pricing Schedule are completed and verified by Oyster Replenishment Department Staff. The final payment may be withheld, based on General Terms and Conditions, J. Payment, 3., until VMRC receives evidence and certification of compliance with the SWAM procurement plan.

XI. **PRICING SCHEDULE:**

- A. _____ Cost per cubic yard to dredge, wash, sort, and deploy by water cannon approximately 21,354 cubic yards of shell in the James River, Chesapeake Bay.
- B. _____ Cost per cubic yard to dredge, wash, sort, and deploy by water cannon approximately 7,567 cubic yards of shell in the Rappahannock River, Chesapeake Bay.
- C. _____ Cost per cubic yard to dredge, wash, sort, and deploy by water cannon approximately 17,161 cubic yards of shell in the Tangier and Pocomoke Sounds, Chesapeake Bay.
- D. _____ Cost per cubic yard for the goods and services described in subpart A above if another customer is found for dredge material taken from the same location.
- E. _____ Cost per cubic yard for the goods and services described in subpart B above if another customer is found for dredge material taken from the same location.
- F. _____ Cost per cubic yard for the goods and services described in subpart C above if another customer is found for dredge material taken from the same location.
- G. _____ credit per cubic yard for "fine" shells for _____ cubic yards retained by the contractor.

XII. DELIVERY: The agency expects delivery and complete deployment from June 16 – August 1, 2015.

XIII. LIQUIDATED DAMAGES: All equipment must be mobilized, and work must commence, no later than June 16, 2015. It is understood and agreed by the offeror that time is of the essence in the performance of the contract. In the event the equipment is not mobilized and work does not commence by the date specified there will be deducted, not as a penalty but as liquidated damages, the sum of \$500 per day for each and every calendar day of delay beyond the time specified; except that if the performance be delayed by any act, negligence, or default on the part of the Commonwealth, public enemy, war, embargo, fire, or explosion not caused by the negligence or intentional act of the contractor or his supplier(s), or by riot, sabotage, or labor trouble that results from a cause or causes entirely beyond the control or fault of the contractor or his supplier(s), a reasonable extension of time as the procuring public body deems appropriate may be granted. Upon receipt of a written request and justification for any extension from the contractor, the purchasing office may extend the time for performance of the contract or delivery of goods herein specified, at the purchasing office's sole discretion, for good cause shown.

**ATTACHMENT A TO RFP #CRD15-01
CONTRACTOR DATA SHEET
TO BE COMPLETED BY OFFEROR**

1. **QUALIFICATIONS OF OFFEROR:** Offerors must have the capability and capacity in all respects to fully satisfy all the contractual agreements.

2. **YEARS IN BUSINESS:** Indicates the length of time you have been in business providing this type of service.

_____ Years _____ Months

3. **REFERENCES:** Indicate below a listing of at least four (4) recent references for whom you have provided this type of service. Include the date service was furnished and the name, address and phone number of the person the purchasing agency has your permission to contact.

<u>CLIENT</u>	<u>ADDRESS</u>	<u>DATE OF SERVICE</u>	<u>CONTACT & PHONE No.</u>

**ATTACHMENT B TO RFP #CRD15-01
SUBCONTRACTOR DATA SHEET
TO BE COMPLETED BY OFFEROR**

1. **QUALIFICATIONS OF OFFEROR:** Subcontractor must have the capability and capacity in all respects to fully satisfy all the contractual agreements.

2. **YEARS IN BUSINESS:** Indicates the length of time you have been in business providing this type of service.

_____ Years _____ Months

3. **REFERENCES:** Indicate below a listing of at least four (4) recent references for whom you have provided this type of service. Include the date service was furnished and the name, address and phone number of the person the purchasing agency has your permission to contact.

<u>CLIENT</u>	<u>ADDRESS</u>	<u>DATE OF SERVICE</u>	<u>CONTACT & PHONE No.</u>

Annex 7-G

Small Business Subcontracting Plan

It is the goal of the Commonwealth that more than 42% of its purchases be made from small businesses. All potential bidders are required to submit a Small Business Subcontracting Plan.

Small Business: "Small business (including micro)" means a business which holds a certification as such by the Virginia Department of Small Business and Supplier Diversity (DSBSD) on the due date for proposals. This shall also include DSBSD-certified women- and minority-owned businesses when they also hold a DSBSD certification as a small business on the proposal due date. Currently, DSBSD offers small business certification and micro business designation to firms that qualify under the definitions below.

Certification applications are available through DSBSD online at www.DSBSD.virginia.gov (Customer Service).

Offeror Name: _____

Preparer Name: _____ **Date:** _____

Instructions

- A. If you are certified by the DSBSD as a micro/small business, complete only Section A of this form. This includes but is not limited to DSBSD-certified women-owned and minority-owned businesses when they have also received DSBSD small business certification.
- B. If you are not a DSBSD-certified small business, complete Section B of this form. For the offeror to receive credit for the small business subcontracting plan evaluation criteria, the offeror shall identify the portions of the contract that will be subcontracted to DSBSD-certified small business for the initial contract period in Section B.

Offerors which are small businesses themselves will receive the maximum available points for the small business participation plan evaluation criterion, and do not have any further subcontracting requirements.

Offerors which are not certified small businesses will be assigned points based on proposed expenditures with DSBSD-certified small businesses for the initial contract period in relation to the offeror's total price for the initial contract period.

Points will be assigned based on each offeror's proposed subcontracting expenditures with DSBSD certified small businesses for the initial contract period as indicated in Section B in relation to the offeror's total price.

Section A

If your firm is certified by the Department of Small Business and Supplier Diversity (DSBSD), provide your certification number and the date of certification):

Certification number: _____

Certification Date: _____

Annex 7-I

State Corporation Commission Form

Virginia State Corporation Commission (SCC) registration information. The offeror:

is a corporation or other business entity with the following SCC identification number: _____ **-OR-**

is not a corporation, limited liability company, limited partnership, registered limited liability partnership, or business trust **-OR-**

is an out-of-state business entity that does not regularly and continuously maintain as part of its ordinary and customary business any employees, agents, offices, facilities, or inventories in Virginia (not counting any employees or agents in Virginia who merely solicit orders that require acceptance outside Virginia before they become contracts, and not counting any incidental presence of the offeror in Virginia that is needed in order to assemble, maintain, and repair goods in accordance with the contracts by which such goods were sold and shipped into Virginia from offeror's out-of-state location) **-OR-**

is an out-of-state business entity that is including with this proposal an opinion of legal counsel which accurately and completely discloses the undersigned offeror's current contacts with Virginia and describes why those contacts do not constitute the transaction of business in Virginia within the meaning of § 13.1-757 or other similar provisions in Titles 13.1 or 50 of the Code of Virginia.

****NOTE**** >> Check the following box if you have not completed any of the foregoing options but currently have pending before the SCC an application for authority to transact business in the Commonwealth of Virginia and wish to be considered for a waiver to allow you to submit the SCC identification number after the due date for proposals (the Commonwealth reserves the right to determine in its sole discretion whether to allow such waiver):



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY
TIDEWATER REGIONAL OFFICE

5636 Southern Boulevard, Virginia Beach, Virginia 23462
(757) 518-2000 Fax (757) 518-2009
www.deq.virginia.gov

Doug Domenech
Secretary of Natural Resources

David K. Paylor
Director

Francis L. Daniel
Regional Director

April 7, 2011

Virginia Marine Resources Commission
Conservation and Replenishment Department
Attn: Mr. James A. Wesson, Department Head
2600 Washington Avenue, 3rd Floor
Newport News, Virginia 23607-0756

RE: Approval of Permit Extension Request
VWP Individual Permit Number 00-2042
VMRC Oyster Shell Dredging Off Tribell Shoal Channel

Dear Mr. Wesson:

The Virginia Department of Environmental Quality (DEQ) has received your request to extend the permit term for the Virginia Water Protection (VWP) Individual Permit Number 00-2042 for five years to allow completion of additional dredging cycles. The permit was issued on July 16, 2001, was modified on January 13, 2004 and July 7, 2006, and will expire on July 16, 2011.

In accordance with your request and pursuant to the VWP Permit Program Regulation 9 VAC 25-210-185.B, DEQ approves your request for the extension. The new expiration date is July 16, 2016. Please note that application for the new permit should be made at least 120 days prior to permit expiration.

Enclosed you will find a revised Permit Cover Page reflecting the new permit term. Please note that this letter is an official component of the permit and should be retained in your files.

If you have any questions, please do not hesitate to contact Sheri Kattan at 518-2156 or sheri.kattan@deq.virginia.gov.

Sincerely,

A handwritten signature in cursive script, appearing to read "Bert W. Parolari, Jr.".

Bert W. Parolari, Jr.
Virginia Water Protection Permit Manager

Enclosure Revised Permit Cover Page

cc: Rick Henderson, U.S. Army Corps of Engineers



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY TIDEWATER REGIONAL OFFICE

5636 Southern Boulevard, Virginia Beach, Virginia 23462
(757) 518-2000 Fax (757) 518-2009
www.deq.virginia.gov

Doug Domenech
Secretary of Natural Resources

David K. Paylor
Director

VWP Permit No. 00-2042
Effective Date: July 16, 2001
Modification Date: January 13, 2004
Modification Date: July 7, 2006
Expiration Date: July 16, 2016

VIRGINIA WATER PROTECTION PERMIT ISSUED PURSUANT TO THE STATE WATER CONTROL LAW AND SECTION 401 OF THE CLEAN WATER ACT

Based upon an examination of the information submitted by the owner and in compliance with Section 401 of the Clean Water Act as amended (33 USC 1251 et seq.) and the State Water Control Law and regulations adopted pursuant thereto, the Department has determined that there is reasonable assurance that the activity authorized by this permit, if conducted in accordance with the conditions set forth herein, will protect instream beneficial uses and will not violate applicable water quality standards. The Department finds that the effect of the impact, together with other existing or proposed impacts to wetlands, will not cause or contribute to a significant impairment of state waters or fish and wildlife resources.

Permittee: Virginia Marine Resources Commission
Conservation and Replenishment Department
Attn: Mr. James A. Wesson, Department Head

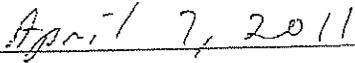
Address: 2600 Washington Avenue, 3rd Floor
Newport News, Virginia 23607-0756

Activity Location: James River, Off Tribell Shoal Channel

Activity Description: The applicant proposes dredging of fossil oyster beds to obtain shell for restoration of oyster reefs and beds in the more productive areas of the Tangier and Pocomoke Sounds, the Rappahanock River, and Virginia's portion of the Chesapeake Bay and its tributaries.

The permitted activity shall be in accordance with this cover page, Part I - Special Conditions, and Part II - General Conditions.


Bert W. Parolari, Virginia Water Protection Permit Manager


Date

PART I - SPECIAL CONDITIONS

A. Adherence to Application

The application dated November 3, 2000, supplemental addenda dated February 15, 2001, the revised dredging appendix submitted on March 7, 2000, and the application addenda letter dated May 23, 2001 shall be adhered to.

B. Spill Control

The permittee shall employ measures to prevent spills of fuels or lubricants into State waters. If spills do occur, notification shall be provided to the Department of Environmental Quality (DEQ) Tidewater Regional Office (TRO) at 757-518-2077 or Department of Emergency Services at 1-800-468-8892.

C. Construction Activity

All construction and installation associated with the activity shall be accomplished in such a manner that construction materials or waste materials are not discharged into State waters.

D. DEQ Notification

The permittee shall advise the DEQ TRO in writing when unusual or potentially complex conditions are encountered which require debris removal or involve potentially toxic pollutants, and shall not take measures to remove the obstruction, material, or toxic pollutant, or change the location of any structure until approval by the Department is received.

E. Permit Expiration

This permit is valid for a maximum of ten years from the date of issuance. In accordance with the VWPP Regulation (9 VAC 25-210-80, formerly VR.680-15-02), reapplication must be made no less than 180 days prior to the expiration date of this permit.

F. Dredging and Disposal

1. The DEQ TRO shall be notified in writing not less than ten days prior to commencement and not more than ten days following completion of each dredging cycle.
2. The permittee shall implement a monitoring study to assess the effects of the dredging on the movement of anadromous fish. The permittee shall coordinate the design of this study with the Department of Game and Inland Fisheries (DGIF), and allow DGIF to observe the dredging activities and monitoring efforts. If DGIF determines, based on

the study results, that the dredging is resulting in a significant impairment to anadromous fish, DEQ may halt dredging activities and require other actions recommended by DGIF to protect this resource.

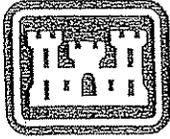
3. The permittee shall conduct activities in accordance with the time-of-year (TOY) restrictions, as recommended by the DGIF or the Virginia Marine Resources Commission. The permittee shall maintain a copy of such TOY restriction or notification that no restriction is necessary, for the duration of this project. The current TOY restriction prohibits dredging from February 15 to June 15.
4. As additional data concerning the impacts of dredging on aquatic resources becomes available, DEQ TRO may require additional water quality/biological monitoring, time of year restrictions, and/or other procedures to avoid and minimize impacts to these resources.
5. Dredging is authorized at the four locations along Tribell Shoal channel specified in the application.
6. The dredge shall be equipped with an elephant trunk four-pipe discharge system, with pipes located at both the stern and bow of the dredge. All pipes must be utilized to facilitate redistribution of dredged material into the dredge cut in a manner which limits the resuspension and disturbance of this material. The end of these pipes shall be positioned as low as possible below the bottom of the dredge hull to minimize sediment resuspension during discharge.
7. Dredging shall be accomplished in such a manner as to minimize disturbance of the bottom and minimize turbidity levels in the water column. Sediment resuspension recommendations outlined in the Corps of Engineers research documents "Sediment Resuspension Characteristics of Selected Dredges - 1984" and "Literature Review and Technical Evaluation of Sediment Resuspension During Dredging - 1991" shall be followed when applicable. Documentation of recommendations that were or were not followed and supporting explanations shall be reported in writing to DEQ TRO within 30 days following completion of each dredging cycle.
8. Hydraulic dredging of a maximum of 722,000 cubic yards of material is authorized over the term of this permit, with approximately 361,000 cubic yards of material removed at each dredging cycle.
9. Dredging is authorized to a maximum depth of -30 feet mean low water.
10. All dredged shell will be transported by barge to permitted restoration sites in the Rappahannock River, the Pocomoke Sound, the Tangier Sound, and/or Virginia's portion of the Chesapeake Bay and its tributaries for use in oyster reef and bed

restoration. If other sites are identified for restoration, they must be approved by DEQ TRO prior to use.

11. The double handling of dredged material in State waters is prohibited.
12. State Water Quality Criteria (9 VAC 25-260-50) shall not be violated during dredging operations, unless otherwise caused by ambient conditions.
13. If evidence of impaired water quality, such as fish kills, is observed during dredging, dredging operations shall cease and the DEQ shall be notified immediately at (757) 518-2077.
14. No wetland fill or excavation is authorized by this permit.
15. An after-dredge bathymetric survey of the dredged area, using mean low water datum, shall be submitted to the DEQ TRO within **30 days** following completion of each dredging cycle.
16. All correspondence regarding this permit shall be directed to:

Department of Environmental Quality
Tidewater Regional Office
Virginia Water Protection Permit Program Office
5636 Southern Boulevard
Virginia Beach, Virginia 23462

Include your Permit Number 00-2042 on all correspondence.



U.S. Army Corps
Of Engineers
Norfolk District

Fort Norfolk, 803 Front Street
Norfolk, Virginia 23510-1096

CENAO-WR-R
12-RP-20

REGIONAL PERMIT

Effective Date: May 25, 2012

Expiration Date: May 25, 2017

I. AUTHORITIES:

11-RP-20, Regional Permit 20 ("RP"), authorizes the creation of artificial reefs and dredging of old shellfish reefs, when the material will be used to create new or enhance reefs owned, operated or managed by the Commonwealth of Virginia.

The intent of this Regional Permit is to provide a streamlined permitting process for those activities listed in paragraph 1 that do not adversely affect general navigation and the aquatic environment.

This permit is authorized by the Secretary of the Army and the Chief of Engineers pursuant to Section 10 of the River and Harbors Act of 1899 (33 U.S.C. 403) and Section 404 of the Clean Water Act (33 U.S.C. 1344) to create artificial reefs and to dredge historical shellfish reefs when the material will be used for the construction of new reefs in Waters of the Commonwealth of Virginia provided the project complies with the provisions and conditions set forth below.

NOT AUTHORIZED: This permit does not authorize the construction of reefs that will be used for the introduction of non-native species (shell or fin-fish) into Waters of the Commonwealth of Virginia.

Activities receiving written authorization under this RP do not require further authorization unless the District Commander determines that overriding national factors of the public interest would require an individual permit (in accordance with 33 CFR 325) for a particular project that might generally qualify for this RP. This RP covers only those activities that strictly comply with all of the descriptions, general and special conditions set out below. Any work that does not comply with the following terms, conditions, standards and limitations does not qualify for this RP and will require separate Department of the Army authorization.

II. PROCEDURES:

Prospective permittees ("permittees" or "applicants") must notify the Corps' District Commander, via the submission of a Joint Permit Application ("JPA"), and must receive written

notification from the Corps acknowledging that the project satisfies the criteria of this RP (the "permit verification"). No work is authorized unless and until the Corps issues a permit verification. A JPA can be obtained by writing to the District at the above address or telephoning (757) 201-7652. With internet access, an application may also be obtained by downloading a copy at the following link:
<http://www.nao.usace.army.mil/technical%20services/Regulatory%20branch/JPA.asp>

III. STATE AND LOCAL APPROVALS:

1. The State Water Control Board provided §401 Water Quality Certification for the 12-RP-20. In addition, the Coastal Zone Management Act (CZMA) consistency determination from the Virginia Department of Environmental Quality has been provided for the 12-RP-20. Therefore, the activities that qualify for this RP meet the requirements of Department of Environmental Quality's (DEQ) Virginia Water Protection Permit Regulation, provided that the permittee abides by the conditions of 12-RP-20.

2. Permittees should ensure that projects are designed and constructed in a manner consistent with all state and local requirements pursuant to the Chesapeake Bay Preservation Act ("the Act") (Virginia Code 10.1-2100 *et seq.*) and the Chesapeake Bay Preservation Area Designation and Management Regulations (9 VAC 10-20-10 *et seq.*). Authorizations under this RP do not obviate state or local government authority or responsibilities pursuant to the Act or to any State or local law or regulation.

IV. SPECIAL CONDITIONS:

1. No portion of the reef will be constructed in areas where submerged aquatic vegetation (SAV) beds are present.

2. Prior to authorization of artificial reefing (*i.e.* ocean sinking) of any ships, vessels, or mechanized vehicles and to ensure the project is conducted in an environmentally sound manner, such ships, vessels and mechanized vehicles shall be prepared for reefing consistent with EPA guidance entitled *Best Management Practice for Preparing Vessels Intended to Create Artificial Reefs*, EPA842-B-06-002 (May 2006). The permittee must notify the United States Environmental Protection Agency (EPA) Region III Coastal Science Team Leader, 1650 Arch Street, Philadelphia, PA 19103, 215-814-2137 at least 60 days prior to the proposed reefing activity and allow EPA reasonable opportunity upon request to inspect the ship, vessel, or mechanized vessel prior to reefing. This provision does not supersede any of EPA's existing statutory authorities to inspect the ship, vessel or mechanized vessel.

2.a. Failure to comply with the Toxic Substances Control Act, 15 U.S.C. § 2601, *et seq.* (TSCA) is a violation of this permit.

2.b. All material used in the construction of the reefs shall be of clean suitable material and free of petroleum and other hydrocarbons (oil, grease, asphalt and creosote), toxic residues

(including but not limited to mercury, cadmium and lead), and loose, free floating material and other deleterious substances. Reefing preparations for all vessels and mechanized vehicles shall include the removal of: all liquid fuels, oils and greases; all asbestos that is loose or may become loose during vessel sinking; all manufactured products containing greater than or equal to (\geq) 50 parts per million (ppm) of solid PCBs, all liquid PCBs regardless of concentration and all materials contaminated by PCB spills where the concentration of the original PCB source is \geq 50ppm; all harmful exterior hull anti-fouling systems that are determined to be active; all exfoliating (peeling) and exfoliated paint; all loose debris, including materials or equipment that are not permanently attached to the vessel that could be transported into the water column during a sinking event; and all other materials that may negatively impact the biological, physical, or chemical characteristics of the marine environment. Such preparation also shall include the removal, or sealing, of all accessible friable asbestos. Vessel owners must also document that no PCBs at concentrations greater than 50ppm remain on board the vessel. This may require representative PCB sampling by those intending to use the general permit.

3. All material used in the construction of the reefs shall be of clean suitable material and free of petroleum and other hydrocarbons (oil, grease, asphalt and creosote), toxic residues (including but not limited to mercury, cadmium and lead), and loose, free floating material and other deleterious substances. Vessels or mechanized vehicles shall be inspected by the United States Coast Guard to ensure hazardous material will not enter the watershed.

4. If the work involves hydraulic dredging of old shellfish reefs an automatic time of year restriction will apply for between February 15 and June 15 of any year unless consultation with the NOAA Fisheries (NOAA) confirms there will be no impact for protection of anadromous fish migration and spawning.

5. The Corps will coordinate individual shell dredging events with NOAA Fisheries Service, Habitat Conservation Division, the Virginia Field Office for the purpose of Essential Fish Habitat assessment and consultation.

6. A proponent ("permittee" or "applicant") of work proposed in portions of the following waterways may require an easement to be obtained from the Corps Real Estate Division to cross government property before any construction can take place:

- a. James River
- b. Lynnhaven Inlet and Connecting Waters
- c. All Local Cooperation Agreement areas
- d. Dismal Swamp Canal
- e. Albemarle and Chesapeake Canal
- f. Appomattox River

For further information on the need to obtain a government easement, please contact Norfolk District's Real Estate Office at the address on the first page of this Regional Permit or telephone (757) 201-7736.

7. If the display of lights and signals on the structure or work authorized herein is not otherwise provided for by law, such lights and signals as may be prescribed by the United States Coast Guard shall be installed and maintained at the expense of the permittee. The USCG may

be reached at the following address and telephone number: Commander (oan), Fifth Coast Guard District, Federal Building, 431 Crawford Street, Portsmouth, Virginia 23704-5004, telephone number (757) 398-6230.

8. If and when the permittee desires to abandon the authorized activity he or she must restore the area to a condition satisfactory to the District Commander unless the permittee is transferring his or her interest to a third party. See general condition number 39.

9. The Secretary of the Army or his/her authorized representative may direct the permittee to restore the waterway to its former condition, with no expense to the United States. If the permittee fails to comply with the directive, the Secretary or his/her representative may restore the area to its former condition, by contract or otherwise, and recover the cost thereof from the permittee.

10. No activity is authorized pursuant to this RP if it causes more than a minimal adverse effect on an adjacent property owner's right of access to navigable waters, or causes more than a minimal adverse effect on Navigation, both commercially and recreationally. Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost. In addition, unpermitted work or violation of permit conditions may result in civil, criminal or administrative penalties (33 U.S.C. 406).

11. Any structure authorized shall be properly maintained, including maintenance to ensure public safety.

V. GENERAL CONDITIONS:

The following conditions apply to all activities authorized under Regional General Permits (RP).

1. **Geographic jurisdiction.** This regional permit will authorize work undertaken within the geographical limits of the Commonwealth of Virginia under the regulatory jurisdiction of the Norfolk District.

2. **Compliance Certification.** A Certificate of Compliance must be completed and a copy retained for your records. The original Certificate of Compliance shall be mailed to, U. S. Army Corps of Engineers, Regulatory Branch, 803 Front Street, Norfolk, Virginia 23510-1096 within 30 days of completion of the project.

3. **Other permits.** Authorization does not obviate the need to obtain other Federal, state, or local authorizations required by law or to comply with all Federal, state, or local laws.

4. **Minimal effects.** Projects authorized shall have no more than minimal individual or cumulative adverse environmental impacts, as determined by the Norfolk District.

5. **Discretionary authority.** The Norfolk District Corps of Engineers District Commander retains discretionary authority to require processing of an individual permit based on concerns for the aquatic environment or for any other factor of the public interest (33 C.F.R. § 320.4(a)). This authority is exercised on a case-by-case basis.

6. **Single and complete projects.** This RP shall only be applied to single and complete projects. For purposes of this RP, a single and complete project means the total project proposed or accomplished by one owner/developer or partnership or other association of owners/developers and which has independent utility. A project is considered to have independent utility if it would be constructed absent the construction of other projects in the project area. Portions of a multi-phase project that depend upon other phases of the project do not have independent utility. Phases of a project that would be constructed even if the other phases were not built can be considered as single and complete projects with independent utility.

7. **Multiple general permit authorizations.** This Regional Permit may be combined with any Corps general permits (including Nationwide (NWP) or Regional Permits (RP)) for a single and complete project, as long as the acreage loss of waters of the United States authorized by the NWPs/RPs does not exceed the acreage limit of the NWP/RP with the highest specified acreage limit.

8. **Permit on-site.** The permittee shall ensure that a copy of the RP and the accompanying authorization letter are at the work site at all times. These copies must be made available to any regulatory representative upon request. Although the permittee may assign various aspects of the work to different contractors or sub-contractors, all contractors and sub-contractors shall be expected to comply with all conditions of any general permit authorization.

General Conditions Related to National Concerns:

9. **Historic properties.**

- (a) In cases where it is determined that the activity may affect properties listed, or eligible for listing on, the National Register of Historic Places, the activity is not authorized until the requirements of Section 106 of the National Historic Preservation Act (NHPA) have been satisfied.
- (b) Federal permittees should follow their own procedures for complying with the requirements of Section 106 of the National Historic Preservation Act. Federal permittees must provide the Norfolk District with the appropriate documentation to demonstrate compliance with those requirements.

(c) Non-federal permittees must submit a statement to the Corps regarding the authorized activity's potential to cause effects to any historic properties listed, or determined to be eligible for listing on, the National Register of Historic Places, including previously unidentified properties. The statement must say which historic properties may be affected by the proposed work or include a vicinity map indicating the location of the historic properties or the potential for the presence of historic properties. Assistance regarding information on the location or potential for the presence of historic resources can be sought from the Virginia Department of Historic Resources and the National Register of Historic Places. Where an applicant has identified historic properties which the proposed activity may have the potential to affect, the applicant shall not begin the activity until notified by the Norfolk District that the activity has no potential to cause effects or that consultation under Section 106 of the NHPA has been completed.

(d) Prospective permittees should be aware that Section 110(k) of the NHPA (16 U.S.C. § 470(h)-2(k)) prevents the Corps from granting a permit or other assistance to an applicant who, with intent to avoid the requirements of Section 106 of the NHPA, has intentionally significantly adversely affected a historic property to which the permit would relate, or having legal power to prevent it, allowed such significant adverse effect to occur, unless the Corps, after consultation with the Advisory Council on Historic Preservation (ACHP), determines that circumstances justify granting such assistance despite the adverse effects created or permitted by the applicant. If circumstances justify granting the assistance, the Norfolk District is required to notify the ACHP and provide documentation specifying the circumstances, explaining the degree of damage to the integrity of any historic properties affected, and proposed mitigation. This documentation must include any views obtained from the applicant, State Historic Preservation Officer, Tribal Historic Preservation Officer, appropriate Indian tribes if the undertaking occurs on or affect historic properties on tribal lands or affects properties of interest to those tribes, and other parties known to have legitimate interest in the impacts to the permitted activity on historic properties.

(e) If the permittee, during construction or work authorized herein, encounters a previously unidentified archaeological or other cultural resource, he/she must immediately stop work and notify the Norfolk District of what has been found. Coordination with the Virginia Department of Historic Resources will commence and the permittee will subsequently be advised when he/she may recommence work.

10. Tribal rights. No activity authorized may impair reserved tribal rights, including, but not limited to, reserved water rights and treaty fishing and hunting rights.

11. National lands. Authorized activities shall not impinge upon the value of any National Wildlife Refuge, National Forest, National Park, or any other area administered by the FWS, U.S. Forest Service, or National Park Service.

12. Endangered species.

(a) No activity is authorized under any RP which is likely to jeopardize the continued existence of a threatened or endangered species or a species proposed for such designation, as identified under the Federal Endangered Species Act (ESA), or which

will destroy or adversely modify the critical habitat of such species. No activity is authorized under any RP which "may affect" a listed species or critical habitat, unless Section 7 consultation addressing the effects of the proposed activity has been completed.

- (b) Federal agencies should follow their own procedures for complying with the requirements of the ESA. Federal permittees must provide the district commander with the appropriate documentation to demonstrate compliance with those requirements. "Information on the location of federally proposed/listed species and proposed/designated critical habitat can be obtained from the FWS using the Virginia Field Office's online project review process available at: <http://www.fws.gov/northeast/virginiafield/endspecies/ProjectReviews.html> and from the NMFS at <http://www.nmfs.noaa.gov/pr/species/>."
- (c) Non-federal permittees shall notify the district commander if any listed species or designated critical habitat might be affected or is in the vicinity of the project, or if the project is located in designated critical habitat, and shall not begin work on the activity until notified by the district commander that the requirements of the ESA have been satisfied and that the activity is authorized. Information on the location of threatened and endangered species and their critical habitat can be obtained directly from the USFWS Virginia Field Office at 6669 Short Lane, Gloucester, VA 23061 and/or NOAA Fisheries Habitat Conservation Division, P.O. Box 1346, 7580 Spencer Road, Gloucester Point, VA 23062. For activities that might affect Federally-listed endangered or threatened species or designated critical habitat, notification must include the name(s) of the endangered or threatened species that may be affected by the proposed work or that utilize the designated critical habitat that may be affected by the proposed work. The district commander will determine whether the proposed activity "may affect" or will have "no effect" to listed species and designated critical habitat and will notify the non-Federal applicant of the Corps' determination within 45 days of receipt of a complete notification. In cases where the non-Federal applicant has identified listed species or critical habitat that might be affected or is in the vicinity of the project, and has so notified the Corps, the applicant shall not begin work until the Corps has provided notification the proposed activities will have "no effect" on listed species or critical habitat, or until Section 7 consultation has been completed.
- (d) As a result of formal or informal consultation with the FWS or NOAA Fisheries the district commander may add species-specific regional endangered species conditions to the RP.
- (e) Authorization of an activity by a RP does not authorize the "take" of a threatened or endangered species as defined under the ESA. In the absence of separate authorization (e.g., an ESA Section 10 Permit, a Biological Opinion with "incidental take" provisions, etc.) from the U.S. FWS or the NOAA FISHERIES, both lethal and non-lethal "takes" of protected species are in violation of the ESA.
- (f) The bald eagle (*Haliaeetus leucocephalus*) is no longer a federally listed threatened or endangered species; therefore, the ESA provisions are not applicable to this species. The BGEPA does not require that a federal agency involved in permitting the proposed action conduct coordination. The coordination under the BGEPA is the responsibility of the applicant. The applicant should either obtain a FWS bald eagle take permit or a letter of concurrence from FWS indicating that a permit is not

necessary prior to initiating construction activities. Applicants may obtain a letter of concurrence or determine whether a BGEPA permit is needed by completing the Virginia Field Office's online project review process at:
[http://www.fws.gov/northeastvirginiafield/endspecies/Project Reviews.html](http://www.fws.gov/northeastvirginiafield/endspecies/ProjectReviews.html).

13. Essential Fish Habitat. The Magnuson-Stevens Fishery Conservation and Management Act (MSFCMA), as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-297; 11 October 1996), requires all Federal agencies to consult with the NOAA Fisheries on all actions, or proposed actions, permitted, funded, or undertaken by the agency that may adversely effect Essential Fish Habitat (EFH). The EFH Designations within the Northeast Region (Maine to Virginia), dated March 1, 1999, has identified EFH for a number of species and their life stages within Virginia waters. If EFH consultation is required, the applicant shall not begin work until the Corps has provided notification that the EFH consultation has concluded.

14. Wild and Scenic Rivers. Currently, there are no designated Wild and Scenic Rivers in the Commonwealth of Virginia; however, the portion of the Upper New River from Glen Lyn, Virginia to the West Virginia/Virginia state line was designated a "study river" by Congress on October 26, 1992. No activity may occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a "study river" for possible inclusion in the system, while the river is in an official study status, unless the appropriate Federal agency with direct management responsibility for such river has determined, in writing, that the proposed activity will not adversely affect the Wild and Scenic River designation or study status. Information on Wild and Scenic Rivers may be obtained from the appropriate Federal land management agency in the area (e.g., National Park Service, U.S. Forest Service, Bureau of Land Management, U.S. Fish and Wildlife Service). Impacts that occur in these resource areas will require coordination with the appropriate Federal agency.

15. Federal navigation project. Authorized activities may not interfere with any existing or proposed Federal navigation projects.

16. Navigation. (a) No authorized activity may cause more than a minimal adverse effect on navigation. (b) The permittee understands and agrees that if future operations by the United States require the removal, relocation, or other alteration of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his/her authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Norfolk District, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

17. Floodplains. All practicable efforts shall be made to conduct the work authorized by this RP in a manner so as to avoid any adverse impact on the Federal Emergency Management Agency (FEMA) designated 100-year floodplain.

18. Real estate. Activities authorized under this RP do not grant any Corps real estate rights. If real estate rights are needed from the Corps, you must contact the Corps Real Estate Office at (757) 201-7736 or at the address listed on the front page of this permit.

19. **Environmental Justice.** Activities authorized under this RP must comply with Executive Order 12898, "Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations".

20. **Federal liability.** In issuing this RP, the Federal government does not assume any liability for the following: (a) damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes; (b) damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest; (c) damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this RP; (d) design or construction deficiencies associated with the permitted work; (e) damage claims associated with any future modification, suspension, or revocation of this permit.

General Conditions Related to Minimizing Environmental Impacts:

21. **Avoidance and minimization.** Discharges of dredged or fill material into waters of the United States shall be avoided and impacts minimized to the maximum extent practicable.

22. **Heavy equipment in wetlands.** Heavy equipment working in wetlands must be placed on mats or other measures must be taken to minimize soil disturbance.

23. **Temporary fills.** All temporarily disturbed waters and wetlands must be restored to preconstruction contours as soon as these areas are no longer needed for their authorized purpose, and not later than completion of project construction. Following restoration of contours, the soil in wetlands must be mechanically loosened to a depth of 12 inches, and the wetlands must then be seeded or sprigged with appropriate native wetland vegetation.

24. **Sedimentation and erosion control.** Appropriate erosion and sediment controls must be employed and maintained in effective operating condition during construction, and all exposed soil and other fills, as well as any work below the ordinary high water mark, must be permanently stabilized at the earliest practicable date.

25. **Aquatic life movements.** No authorized activities may substantially disrupt the movement of aquatic life indigenous to the waterbody, including those species which normally migrate through the area, unless the activity's primary purpose is to impound water. The Norfolk District has determined that fish and wildlife are most often present in any stream being crossed, in the absence of evidence to the contrary.

26. **Discharge of pollutants.** All authorized activities involving any discharge of pollutants into waters of the United States shall be consistent with applicable water quality standards, effluent limitations, standards of performance, prohibitions, and pretreatment standards and management practices established pursuant to the CWA (33 U.S.C. § 1251 *et seq.*) and applicable state and local laws. No discharge of dredged or fill material in association with this authorization may consist of unsuitable material such as trash, debris, car bodies, asphalt, etc.

27. **Obstruction of high flows.** Discharges of dredged or fill material must not permanently restrict or impede the passage of normal or expected high flows.

28. **Waterbird breeding areas.** Discharges of dredged or fill material into breeding areas for migratory waterfowl must be avoided to the maximum extent practicable.

29. **Native trout and anadromous fishes.** Authorizations for discharges of dredged or fill material into native trout waters or anadromous fish use areas will be conditioned to limit in-stream work within timeframes recommended by the DGIF and/or NOAA Fisheries. Coordination with DGIF and/or NOAA Fisheries will be conducted by the Corps. The applicant shall not begin work until notification is received that all coordination has been completed and/or the Corps has provided the applicant with the appropriate time of year restrictions regarding work in native trout waters or anadromous fish use areas.

30. **Water supply intakes.** No discharge of dredged or fill material may occur in proximity of a public water supply intake except where the discharge is for adjacent bank stabilization.

General Procedural Conditions:

31. **Inspections.** A copy of this permit and any verification letter must be provided to the contractor and made available at the project site to any regulatory representative. The permittee shall allow the Norfolk District to make periodic inspections at any time deemed necessary in order to assure that the activities being performed under authority of this permit are in accordance with the terms and conditions prescribed herein. The Norfolk District reserves the right to require post-construction engineering drawings and/or surveys of any work authorized under this RP, as deemed necessary on a case-by-case basis.

32. **Maintenance.** The permittee shall maintain the work authorized herein in good condition and in conformance with all terms and conditions of this permit. All fills shall be properly maintained to ensure public safety.

33. **Property rights.** This General Permit does not convey any property rights, either in real estate or material, or convey any exclusive privileges, nor does it authorize any injury to property or invasion of rights or any infringement of Federal, state, or local laws or regulations.

34. **Modification, suspension, and revocation.** This RP may be either modified, suspended, or revoked in whole or in part pursuant to the policies and procedures of 33 C.F.R. § 325.7. Any such action shall not be the basis for any claim for damages against the United States.

35. **Restoration directive.** The permittee, upon receipt of a restoration directive, shall restore the waters of the United States to their former conditions without expense to the United States and as directed by the Secretary of the Army or his/her authorized representative. If the permittee fails to comply with such a directive, the Secretary or his/her designee, may restore the waters of the United States to their former conditions, by contract or otherwise, and recover the cost from the permittee.

35. **Special conditions.** The Norfolk District may impose other special conditions on a project authorized pursuant to this RP that are determined necessary to minimize adverse navigational and/or environmental effects or based on any other factor of the public interest. Failure to comply with all special and general conditions of this permit, including any additional project specific special conditions, constitutes a permit violation and may subject the permittee, or his/her contractor, to criminal, civil, or administrative penalties and/or restoration.

36. **False or incomplete information.** In granting authorization pursuant to this permit, the Norfolk District has relied upon information and data provided by the permittee. If, subsequent to notification by the Norfolk District that a project qualifies for this permit, such information and data prove to be materially false or materially incomplete, the authorization may be suspended or revoked, in whole or in part, and/or the United States may institute appropriate legal proceedings.

37. **Abandonment.** If the permittee decides to abandon the activity authorized under this general permit, unless such abandonment is merely the transfer of property to a third party, he/she may be required to restore the area to the satisfaction of the Norfolk District.

38. **Transfer of authorization.** In order to transfer authorization under this RP, the transferee or permittee must supply the Norfolk District with a written request. Such transfer is effective upon written approval by the Norfolk District of a transfer document signed by both parties evidencing that the transferee commits to assuming all responsibilities of the original permittee under the permit.

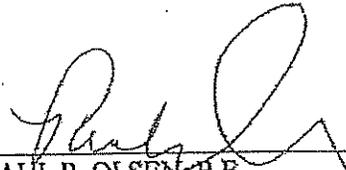
39. **Binding effect.** The provisions of the permit authorization shall be binding on any assignee or successor in interest of the original permittee.

General Conditions Regarding Duration of Authorizations, Time Extensions for Authorizations, and Permit Expiration:

40. **Duration of Activity's Authorization.** Activities authorized under 12-RP-20 must be completed by May 25, 2017. If this RP is reissued at that time, and if this work has not been started or completed, but the project continues to meet the terms and conditions of the revalidated RP, then the project will continue to be authorized. The Norfolk District will issue a special public notice announcing any changes to the Regional Permits when they occur; however, it is incumbent upon you to remain informed of changes to the RPs. Activities which have commenced (i.e., are under construction) or are under contract to commence in reliance upon this RP that do not meet the terms and conditions of the revalidated RP will remain authorized provided the activity is completed within twelve months of the date of this RP's expiration (i.e. May 25, 2018), unless discretionary authority has been exercised on a case-by-case basis to modify, suspend, or revoke the authorization in accordance with 33 CFR 325.7(a-e). If work cannot be completed by May 25, 2018, you must reapply for a separate permit authorization.

41. Expiration of 12-RP-20. Unless further modified, suspended, or revoked, this general permit will be in effect until May 25, 2017. Upon expiration, it may be considered for revalidation. Activities completed under the authorization of a RP which was in effect at the time the activity was completed continue to be authorized by that RP.

24 May 2012
Date



PAUL B. OLSEN, P.E.
Colonel, Corps of Engineers
Commanding



DEPARTMENT OF THE ARMY
NORFOLK DISTRICT, CORPS OF ENGINEERS
FORT NORFOLK, 803 FRONT STREET
NORFOLK, VIRGINIA 23510-1096

FEBRUARY 27, 2014

REPLY TO
ATTENTION OF:

Western Virginia Regulatory Section
NAO 2000-3926 (Tribell Shoal - 2014)

Virginia Marine Resources Commission
Chief Fisheries Management Division
2600 Washington Avenue
Newport News, VA 23607

Dear Mr. O'Reilly:

This is in reference to the Department of the Army application (NAO 2000-3926) submitted by VMRC for 2014 Tribell Shoal oyster shell dredging and shell planting. VMRC will perform all work in the river areas as specifically identified in the permit application received January 22, 2014. The proposed project as described above and depicted on attached project drawings, stamped as received by our office on January 22, 2014, satisfies the terms and conditions of Norfolk District's Regional Permit 20 (12-RP-20). Provided that VMRC follows the general and special terms and conditions of the 12-RP-20, as well as all other special conditions included below, no further authorization will be required from the Corps.

Please take note of the special and general conditions incorporated in the 12-RP-20. In addition, authorization of this permit is contingent on the following special conditions:

1. Dredge and discharge activity shall not take place within 200-feet of the toe of the Tribell Shoals federal navigational channel.
2. The dredge location shall be recorded by sub-meter GPS and GPS data submitted electronically to the Corps (email john.d.evans@usace.army.mil) every day, not later than 09:00 AM. Trackline data, as submitted in 2012, is sufficient to meet this reporting condition.

VMRC must sign and return the attached "compliance certification" form within 30 days of completion of the project. The signature on this form certifies that VMRC has completed the work in accordance with the regional permit terms and conditions.

This verification is valid only until December 31, 2014 for Tribell Shoal 2014 oyster shell dredging and subsequent shell planting. In that endangered species are likely to be present in both dredge and shell planting areas, and in that those areas change every year, and given the time of year restriction of dredging only between June 15th and December 31st of any year; each annual shell dredging action is a single and complete project and must be re-verified on an annual basis. The Norfolk District will issue a

special public notice announcing any changes to the Regional Permits when they occur; however, it is incumbent upon you to remain informed of changes to the RPs.

The State Water Control Board provided §401 Water Quality Certification for the 12-RP-20. Therefore, the activities that qualify for this RP meet the requirements of Department of Environmental Quality's (DEQ) Virginia Water Protection Permit Regulation, provided that the permittee abides by the conditions of 12-RP-20.

Furthermore, this authorization does not relieve your responsibility to comply with local requirements pursuant to the Chesapeake Bay Preservation Act (CBPA), nor does it supersede local government authority and responsibilities pursuant to the Act. You should contact your local government before you begin work to find out how the CBPA applies to your project.

The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

If you have any questions concerning this matter or would like further assistance, please contact John Evans at (757) 201-7794.

Sincerely,

EVANS.JOHN.DAVID.1074513561

2014.02.27 12:58:50 -05'00'

John Evans

Western Virginia Regulatory Section

Attachments: 12-RP-20
Project Drawings
Certificate of Compliance

2015 Proposed Lower James Shell Plants



Brown Shoal
37 00.754
76 28.289

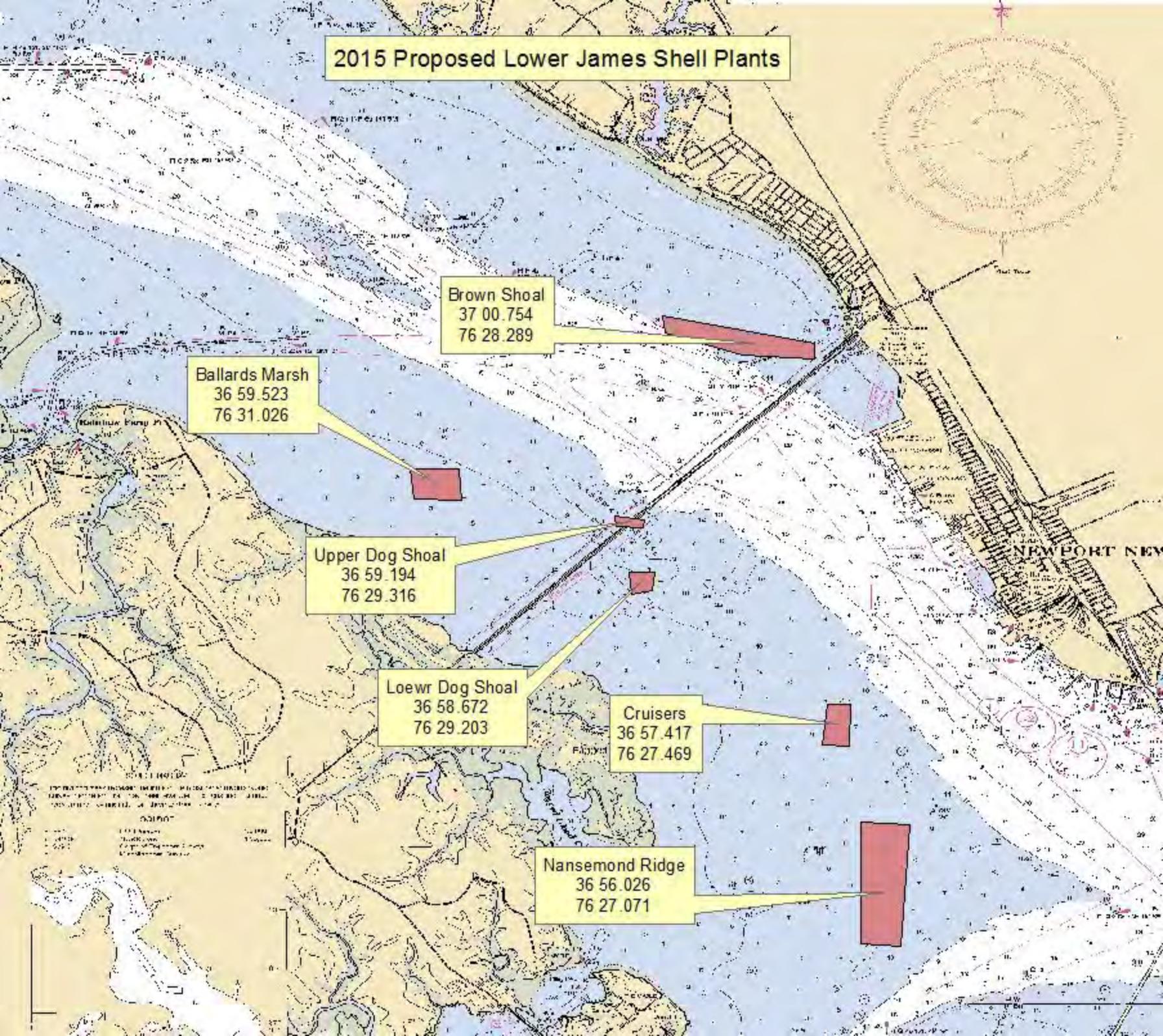
Ballards Marsh
36 59.523
76 31.026

Upper Dog Shoal
36 59.194
76 29.316

Loewr Dog Shoal
36 58.672
76 29.203

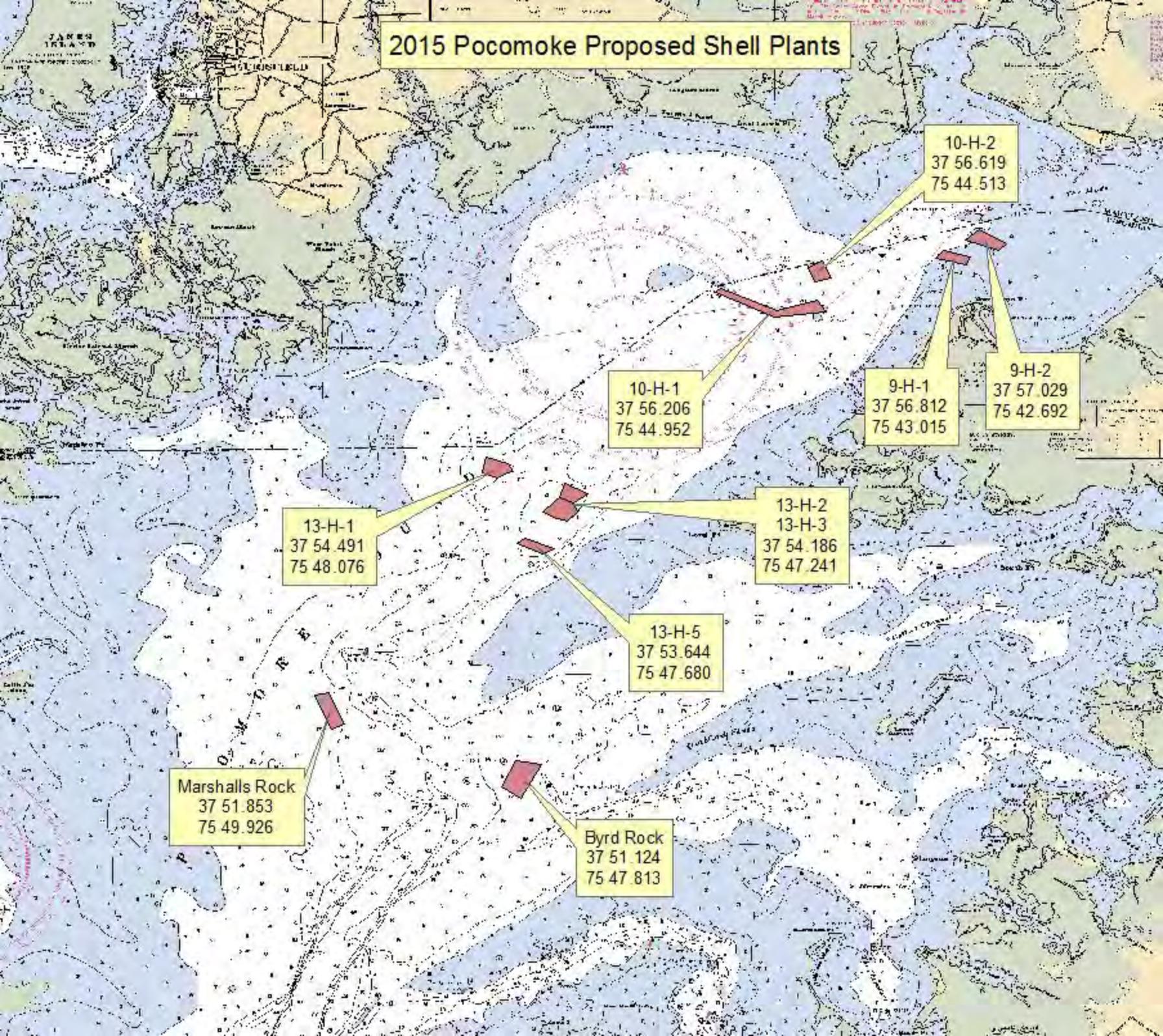
Cruisers
36 57.417
76 27.469

Nansemond Ridge
36 56.026
76 27.071



NEWPORT NEWS

2015 Pocomoke Proposed Shell Plants



2015 Proposed Rappahannock Shell Plants

#21 Corrotoman
37 39.703
76 29.095

#22&42 Corrotoman
37 40.212
76 28.505

#24 Ferry Rock
37 37.947
76 25.045

#25&48 Larsons Sanc.
37 37.668
76 23.391

#26 Mosquito Isl.
37 36.580
76 20.604

#20 Corrotoman
37 39.540
76 28.654

#41 Drumming Grd.
37 39.247
76 27.779

#27-2 Butlers Hole
37 36.494
76 18.196

#31 Whitehouse
37 38.139
76 30.392

#12 Parrotts Rock
37 36.380
76 25.321

#45 U. Sturgeon
37 34.874
76 21.048

#11 Parrotts Rock
37 36.354
76 24.904

#10 & 51 North End
37 35.267
76 23.963

#9 Sturgeon
37 34.953
76 22.213

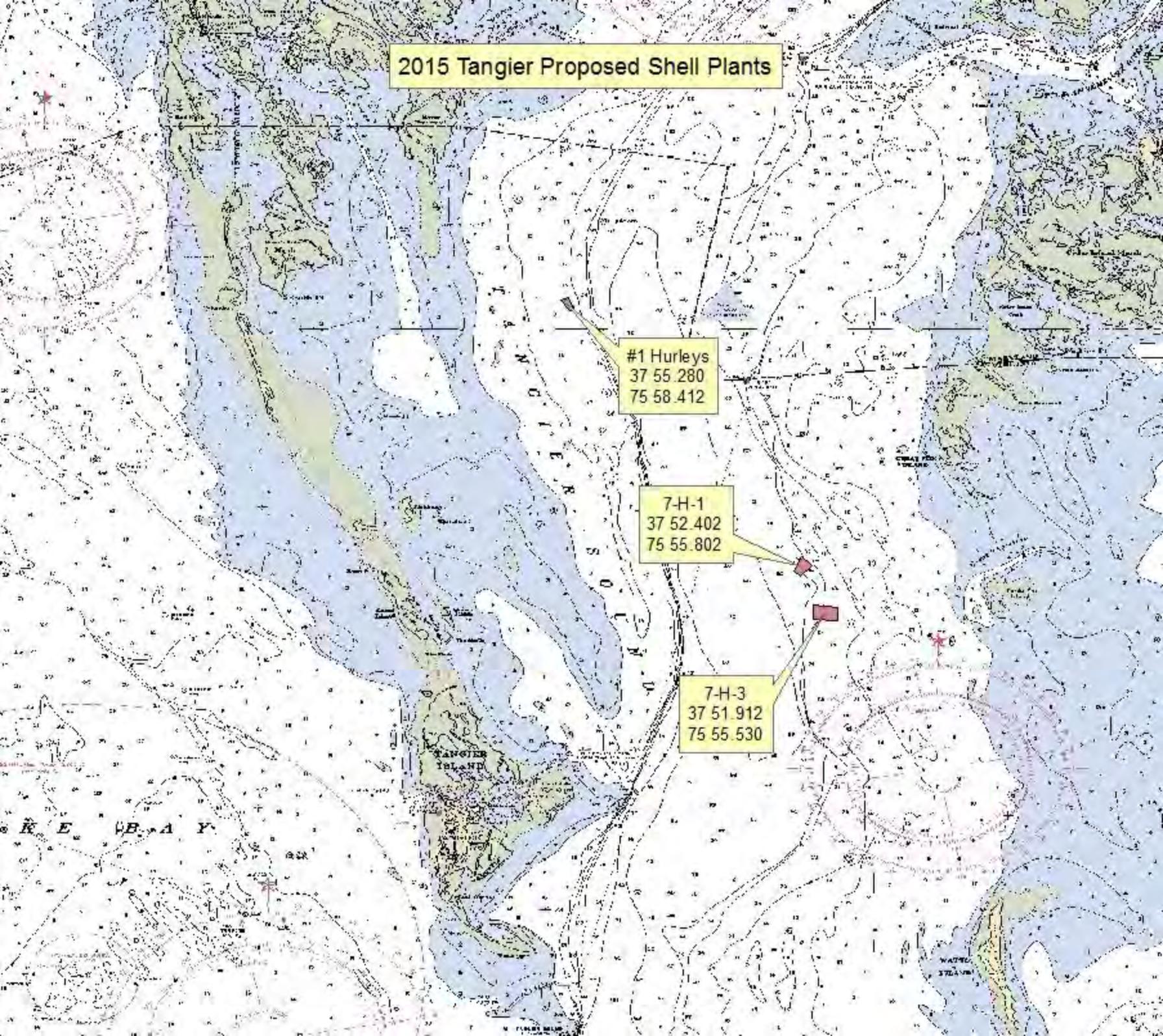
#3 Spike
37 34.630
76 17.621

2015 Tangier Proposed Shell Plants

#1 Hurleys
37 55.280
75 58.412

7-H-1
37 52.402
75 55.802

7-H-3
37 51.912
75 55.530



Fossil Shell Dredge Sites

#2 Shell Dredge Site
37 12.859
76 39.687

#3 Shell Dredge Site
37 11.733
76 37.817

